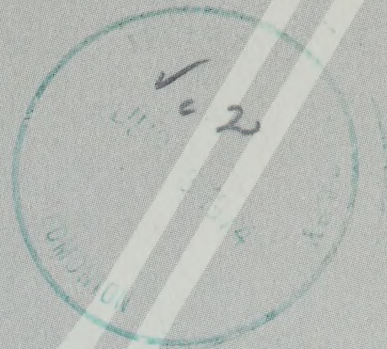
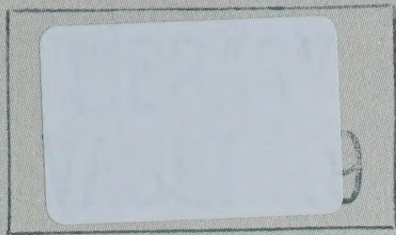


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ANNUAL REPORT

DEPARTMENT OF HIGHWAYS AND TRANSPORT

PROVINCE OF ALBERTA

1969-1970

PUBLISHED BY
ORDER OF THE LEGISLATIVE ASSEMBLY

1970

Printed by Lee S. Wall, Queen's Printer

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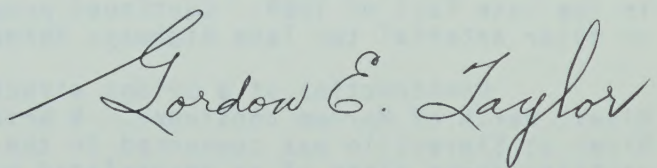
EDMONTON, September 30, 1970

To His Honour,
J. W. GRANT MacEWAN,
Lieutenant Governor of the Province of Alberta.

Sir:

The undersigned has the honour to submit herewith the Report of
the Department of Highways and Transport for the year ended March 31st,
1970.

Respectfully submitted,

A handwritten signature in cursive script that reads "Gordon E. Taylor". The signature is written in dark ink and is positioned above the printed name of the signatory.

GORDON E. TAYLOR,
Minister of Highways
and Transport.

EDMONTON, Alberta,
September 30, 1970.

To The Honourable,
GORDON E. TAYLOR,
Minister of Highways and Transport

Sir:

I have the honour to submit herewith a report covering activities of the Department of Highways and Transport during the 1969-1970 fiscal year.

Primary highways, access roads, etc., totalling 6,935 miles were generally maintained at a total cost of \$9,778,958.17, the average cost being \$1,410.09 per mile.

The Department operated sixteen ferries during the season. There are three ferries scheduled to be replaced by bridges in 1970.

Good progress was made on the programme of developing the Trans-Canada Highway West of Calgary to meet multi-lane freeway standards, the major portion scheduled for completion in 1970. The construction of the six lane divided freeway from South of Balzac to North of Airdrie was continued and engineering survey and design from the Calgary city limits to South of Balzac was advanced. Four lane divided freeway construction continued on Highway 16 East of Edmonton with construction being extended for 1.3 miles to four lane divided expressway standards with an additional 5.5 miles of two lane highway. Expressway construction of a four lane divided facility from East of Coalhurst to Monarch was continued and is scheduled for completion in 1970. Construction was advanced on the Entrance to Grande Cache development road as well as the development road from Highway 16 (West of Hinton) to the Luscar coalfield area, the latter being opened to traffic in the late fall of 1969. Continued progress was made in the construction of major arterial two lane highways throughout the province.

Construction of a bridge structure over the North Saskatchewan River, North of Myrnam continued. A bridge structure over the Red Deer River at Steeveville was commenced in the late fall of 1969. This structure utilizes three piers of an uncompleted railway bridge. Construction commenced on a bridge structure over the Old Man River on Highway 2 near Fort Macleod to replace the existing steel bridge which has become inadequate for traffic. The foregoing major bridge structures are scheduled for completion in October, 1970.

Six semi-major structures on main highways were commenced during the year and two river crossing structures and nine grade separation structures were completed. On district roads twelve semi-major structures were commenced and six river crossing structures were completed.

A programme of constructing weigh scales was embarked upon in 1969 with several projects being commenced.

Seventy-eight Towns and Villages undertook street improvement programmes under the Five-Year Street Assistance Programme for Alberta's Towns and Villages. Of these, sixty-seven completed their projects.

The new Highways Testing Laboratory in the vicinity of the Edmonton Repair Shop was completed and opened in March, 1970. The much improved facility will provide for greater efficiency and better use and control of materials on road projects.

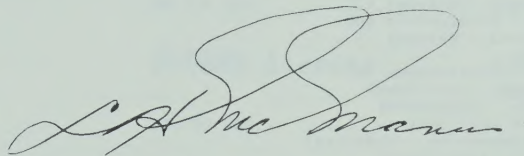
A study to recommend a reasonable and logical plan to provide public access to the Bow, Jumping Pound, Highwood and Sheep Rivers was completed.

A trial period for testing and evaluating the use of triple trailer combinations on Highway 2, between Calgary and Edmonton, was carried out during the period from July 7, 1969 to March 14, 1970.

Motor vehicle registrations continued to increase substantially, the main area of increase again appearing in passenger car registrations.

A separate report of the activities of each branch in the Department is contained herein.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "L. H. McManus". The signature is fluid and cursive, with a large, stylized initial "L" and "M".

L. H. McMANUS,
Deputy Minister,
Department of Highways and Transport.

STATEMENT OF LEGISLATIVE AND EXECUTIVE APPROPRIATIONS, EXPENDITURES AND UNEXPENDED BALANCES

FOR THE YEAR ENDED MARCH 31, 1970

INCOME ACCOUNT

NO. OF APPRN.	SERVICE	LEGISLATIVE	EXECUTIVE	TOTAL	EXPENDED	UNEXPENDED	OVER-EXPENDED
1501	Minister's Office	\$ 25,900.00	\$	\$ 25,900.00	\$ 26,160.54	\$	\$ 260.54
1502	General Administration	410,000.00	.....	410,000.00	404,421.65	5,578.35	.....
1510	Roads Maintenance Branch - Administration	693,010.00	.....	693,010.00	715,306.59	.....	22,296.59
1511	Ferries - Maintenance and Operation	250,000.00	.....	250,000.00	268,724.36	.....	18,724.36
1512	Primary and Secondary Highways and Access Roads - Maintenance	10,550,000.00	.....	10,550,000.00	9,778,958.17	771,041.83	.....
1513	District Highways and Local Roads - Grants to Improvement Districts	7,050,000.00	662,000.00	7,712,000.00	7,729,131.86	.....	17,131.86
1514	District Highways and Local Roads - Grants to Special Areas	250,000.00	.....	250,000.00	250,000.00	.....	.....
1515	District Highways and Local Roads - Grants to Municipal Districts and Counties	4,800,000.00	.....	4,800,000.00	4,748,435.20	51,564.80	.....
1516	District Highways and Local Roads - Special Contingencies	3,000,000.00	.....	3,000,000.00	2,934,068.40	65,931.60	.....
1518	District Highways and Local Roads - Natural Resources	500,000.00	.....	500,000.00	495,049.80	4,950.20	.....
1519	Grants to Towns and Villages for the Improvement of Streets and Roads	1,250,000.00	.....	1,250,000.00	1,064,137.21	185,862.79	.....
1530	Bridges - Maintenance and Replacement, Salaries	582,470.00	.....	582,470.00	606,422.37	.....	23,952.37
1531	Bridges - Maintenance and Replacement - Primary Highways	350,000.00	.....	350,000.00	279,694.94	70,305.06	.....
1532	Bridges - Maintenance and Replacement - Municipal Districts, Improvement Districts and Counties	2,000,000.00	.....	2,000,000.00	2,114,499.39	.....	114,499.39
1533	Bridge Approaches - Municipal Districts, Improvement Districts and Counties	300,000.00	.....	300,000.00	246,208.41	53,791.59	.....
1541	Approach Roads	700,000.00	.....	700,000.00	522,415.59	177,584.41	.....
1543	Roads to Provincial Parks	1,100,000.00	.....	1,100,000.00	1,097,489.47	2,510.53	.....
1550	Motor Vehicle Branch	4,065,670.00	236,555.12	4,302,225.12	3,907,327.16	394,897.96	.....
1551	City Transportation Grants ..	12,500,000.00	.....	12,500,000.00	7,663,535.04	4,836,464.96	.....
1552	Equipment Branch - Administration	151,060.00	.....	151,060.00	157,666.87	.....	\$ 6,606.87
TOTAL: Income Account		\$50,528,110.00	\$898,555.12	\$51,426,665.12	\$45,009,653.02	\$6,417,012.10 (Net)	.....

CAPITAL ACCOUNT

1581	Surveys and Property Branch ..	\$ 1,337,940.00	\$	\$ 1,337,940.00	\$ 1,282,116.96	\$ 55,823.04	\$
1583	Bridges - Construction	5,500,000.00	300,000.00	5,800,000.00	5,529,563.70	270,436.30	.....
1584	Primary Highways - Construction	35,000,000.00	.....	35,000,000.00	34,828,272.40	171,727.60	.....
1585	Planning Branch	890,640.00	.....	890,640.00	840,330.94	50,309.06	.....
1588	Wayside Campsites	50,000.00	.....	50,000.00	12,585.45	37,414.55	.....
1592	Weigh Scales	500,000.00	.....	500,000.00	433,107.68	66,892.32	.....
TOTAL: Capital Account		\$43,278,580.00	\$ 300,000.00	\$43,578,580.00	\$42,925,977.13	\$ 652,602.87	\$
TOTAL		\$93,806,690.00	\$1,198,555.12	\$95,005,245.12	\$87,935,630.15	\$7,069,614.97 (Net)	\$

CASH COLLECTED ON INCOME AND CAPITAL ACCOUNTS

FOR THE YEAR ENDED MARCH 31, 1970

INCOME ACCOUNT

Miscellaneous	\$ 2,471.28
Motor Vehicle Branch:	
Buses, mileage tax	268,221.22
Central registry fees	153,213.36
Commercial vehicle fees	11,646,967.68
Dealers' license fees	62,233.75
Driver abstract fees	229,764.55
Duplicate operators' license fees	17,947.45
Miscellaneous	153,807.67
Operators' license fees	668,230.50
Passenger vehicle fees	10,218,083.67
Permit fees	813,820.35
Snow vehicle fees	37,573.00
Vehicle inspection fees	325,698.00
Reimbursement re administration of improvement districts	113,610.00
Rental of equipment	3,051.09
Rents	2,972.60
Sale of material	336.85
Sale of material - bridges	258.35
Snow plowing	12,884.26
Surveys Branch:	
Road allowance leases	6,209.23
	<hr/>
Income Account	<u><u>\$24,737,354.86</u></u>

CAPITAL ACCOUNT

Board of Transport Commissioners for Canada re:	
Grade crossings	\$ 1,381,919.75
Government of Canada re:	
Trans-Canada Highway	636,949.09
Sale of materials, etc.:	
Bridges	138,220.30
Ferries	76.00
Highways	319,015.07
Surveys and Compensation for Lands	11,606.78
	<hr/>
Capital Account	<u><u>\$ 2,487,786.99</u></u>
	<hr/>
TOTAL	<u><u>\$27,225,141.85</u></u>

MAINTENANCE BRANCH

E. BELSHEIM

CHIEF MAINTENANCE ENGINEER

The functions of the Maintenance Branch during the 1969-70 Fiscal Year were carried out under the supervision of four Head Office Engineers, eleven District Engineers and ten Assistant District Engineers. These functions included the maintenance of the Primary Highway System, the construction and maintenance of Secondary and Local Roads in Improvement Districts, Counties, Municipal Districts and Special Areas where assistance is given by grants, the maintenance and operation of ferries, the construction and operation of Wayside Campsites and the maintenance of Weigh Scales.

Weather conditions during the construction season were generally favourable and no difficulty was experienced in completing all the work contemplated within the limits of the funds available. Additional expenditure over and above normal maintenance was necessary during the month of August in the Cadomin area due to heavy rains which caused numerous washouts, however in general throughout the Province we experienced better conditions than normal, permitting maintenance expenditures on the Primary Highway System to fall well within our estimates. Due to a fairly mild winter with very few major storms, snow removal and ice control costs were kept to a minimum.

Our safety record continued to improve resulting in 1,877 fewer man days lost over the previous year. The Maintenance Branch safety plaque, presented annually to the district with least time lost per million man hours worked, was won by the Red Deer District with a record of no lost time injuries. This is an exceptional record considering the many hazards encountered by employees in the highway maintenance field.

The construction and maintenance of all public roads in Improvement Districts is one of the major functions of this Branch. In addition to the expenditures outlined later in this report the Maintenance Branch of the Department of Highways and Transport carries out considerable road work in Improvement Districts with the use of trust funds. These funds are supplied by the Department of Municipal Affairs and are a portion of the taxation revenues received by that Department.

The work carried out with these funds resulted in improvements as follows:

Graded	123.8 miles
Gravelled	596.9 miles
Oil treated for dust control	89.6 miles
Asphalt surfaced	0.6 miles

No funds were provided to this Branch by the Northern Alberta Development Council during the 1969-70 Fiscal Year for the development of roads to areas recently opened for settlement. As a result it has been necessary to divert some of the regular Improvement District funds for this purpose resulting in a reduction in the number of miles of grading and gravelling work accomplished.

Detailed information covering expenditures for the fiscal year 1969-70 is contained in the following statements as submitted with this report:

(1) Statement showing mileage and expenditure on maintenance of primary highways and access roads to towns and villages:

	GRAVEL	ASPHALT	TOTAL
Primary highways - miles	1,934.04	4,840.20	6,774.24
Access roads - miles	60.84	99.92	160.76
	<u>1,994.88</u>	<u>4,940.12</u>	<u>6,935.00</u>

The mileage of primary highways shown above is broken down as follows:

Gravelled highway	1,767.46	
Paved highway	<u>4,834.26</u>	6,601.72
Paved highway-cancelled during fiscal year	5.94	
Hwy. 17 in Sask. which we pay 50% of maintenance	16.74	
N.D. 2 - Now Highway 58 to Rainbow Lake	<u>87.66</u>	110.34
N.D. 1 - Fairview to B.C. Bdy.	<u>62.18</u>	62.18
	TOTAL	<u>6,774.24</u>

In addition there are 123.05 route miles and a further 18.17 miles of interchanges and connections through the cities towards which the Department extended a maintenance grant of \$500.00/mile.

Regravelling of primary highways, maintenance, snow removal, ice control, centreline striping, pavement messages at railway crossings, school zones, directional and informational signs on highways and access roads to towns and villages and the maintenance of wayside campsites adjacent to highways were carried out. Following are the details of expenditures:

General maintenance	6,935.00 miles		\$5,649,948.75
Snow removal	6,935.00 "		659,393.43
Ice control	6,935.00 "		1,255,260.26
Regravelling	794.64 "		<u>1,434,915.27</u>
Centreline Striping:			
Yellow shoulder lines	5,100.00 "	\$150,366.33	
Yellow shoulder diagonal stripes and medians		2,503.92	
White directional dividing lines	3,883.00 "	120,815.62	
White lane lines	680.00 "	<u>15,982.36</u>	
White messages and pavement hazard markings		48,284.06	337,952.29
Erection and maintenance of highway and access road signing			<u>441,488.17</u>
			<u>\$9,778,958.17</u>

(2) Statement showing the distribution of expenditures from Income Account on the construction and maintenance of district highways and local roads in Improvement Districts, Counties, Municipal Districts and Special Areas, as follows:

Local Improvement Districts - General	\$4,870,764.00	\$
- Special Projects	<u>2,858,367.86</u>	7,729,131.86
Counties and Municipal Districts		4,748,435.20
Special Areas		250,000.00
Special Contingencies		2,934,068.40
Natural resource roads		<u>495,049.80</u>
		<u>\$16,156,685.26</u>

Details of Work accomplished as follows:

Miles of road graded	1,615.6 miles
" " gravelled	6,229.2 "
" " asphalt surfaced	67.4 "
" " oil treated for dust control	158.7 "

(3) Statement showing expenditures by the operation and maintenance of ferries from Income Account. There were 16 ferries operated by the Department of Highways and Transport during the 1969 season. In addition to this the Department shared the cost of operation of the ferry north of Lloydminster on the North Saskatchewan River on a 50%/50% basis.

Statement of ferry expenditure as follows:

Operation and maintenance of ferries detailed above (Appropriation 1511)	\$ 268,724.36
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(4) Total expenditure as follows:

Highway and access roads maintenance	\$ 9,778,958.17
Grants to Improvement Districts, Counties, Municipal Districts, Special Areas and Special Projects	16,156,685.26
Ferries operation and maintenance	268,724.36
Campsite construction	12,585.45
Total Expenditure	<u>\$26,216,953.24</u>

HIGHWAYS MAINTENANCE

PRIMARY AND SECONDARY HIGHWAYS AND ACCESS ROADS

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

HWY. NO.	LOCATION	MILES	AMOUNT
1A	Saskatchewan Boundary - Jct. Hwy. 48	15.35	\$ 14,707.92
"	Jct. Hwy. 48 - East of Medicine Hat	18.75	20,490.44
"	West of Medicine Hat - West of Suffield	25.30	31,453.92
"	West of Suffield - Tilley Access	28.08	13,628.55
"	Tilley Access - Jct. Hwy. 36	18.16	19,230.79
"	Jct. Hwy. 36 - Bassano Access	23.49	13,318.77
3A	South of Medicine Hat - 3 Miles West of Whitla	21.80	21,741.12
"	3 Miles West of Whitla - Grassy Lake	26.64	46,306.57
36B	Bow River - Jct. Hwy. 1	28.88	12,171.62
"	Jct. Hwy. 1 - Red Deer River	19.93	19,280.21
41A	Jct. Hwy. 1 - Schuler Access	32.03	15,244.58
"	Schuler Access - South Saskatchewan River	29.69	14,721.17
"	South Saskatchewan River - Red Deer River	15.73	15,307.10
41A1	East of Medicine Hat - Jct. Hwy. 41	4.94	1,024.10
48A	U.S. Border - Cressday Railroad Crossing	17.95	5,147.03
"	Cressday Railroad Crossing - South of Elkwater	31.35	19,478.98
"	South of Elkwater - Jct. Hwy. 1	21.60	18,893.23
61A	Manyberries - East of Etzikom	23.28	13,755.54
"	East of Etzikom - Skiff Railroad Crossing	33.71	10,335.82
2A	U.S. Border - Standoff	34.92	38,719.41
"	Standoff - East of Jct. Hwy. 3	17.75	23,535.25
"	West of Jct. Hwy. 3 - South of Claresholm	25.74	29,017.88
"	South of Claresholm - West of Nanton	25.97	19,380.10
2A1	Jct. Hwy. 2 - Stavely - Parkland	7.28	3,100.25
3B	Grassy Lake - East of Taber	19.55	17,223.73
"	East of Taber - East of Coaldale	22.32	18,947.63
"	East of Coaldale - East of Lethbridge	8.26	20,612.58
"	North of Lethbridge - Jct. Hwy. 3A	2.43	13,644.86
"	Jct. Hwy. 3A - Oldman River	11.55	12,654.81
"	Oldman River - Jct. Hwy. 2	13.92	17,377.44
"	Jct. Hwy. 2 - Jct. Hwy. 6	27.62	20,934.31
"	Jct. Hwy. 6 - 2 Miles East of Burmis	15.60	30,975.16
"	2 Miles East of Burmis - West of Coleman	14.60	24,638.31
"	West of Coleman - B.C. Boundary	9.04	26,373.17
3B1	Oldman River - Jct. Hwy. 3	4.42	8,032.08
4A	Coutts - East of Warner	23.84	16,120.53
"	East of Warner - Jct. Hwy. 61	22.47	15,875.38
"	Jct. Hwy. 61 - South of Lethbridge	16.63	10,907.22
5A	South of Lethbridge - Jct. Hwy. 62	19.32	14,755.53
"	Jct. Hwy. 62 - Jct. Hwy. 2	25.45	27,253.00
"	Jct. Hwy. 2 - Waterton Park Gates	25.87	21,539.78
6A	Waterton Park Gates - Jct. Hwy. 3	30.04	38,683.03
23A	Jct. Hwy. 3 - Carmangay	24.80	19,839.82
25A	Jct. Hwy. 3A - North of Picture Butte	16.36	18,375.24
"	North of Picture Butte - North of Turin	17.34	16,192.25
"	North of Turin - Enchant Access	12.07	11,667.08
36A	Hwy. 36 - 6 Miles North	6.42	700.02
"	Chin Lake - Jct. Hwy. 3	12.76	17,416.37
"	Jct. Hwy. 3 - Bow River	33.56	11,267.49
40A	U.S. Border - Jct. Hwy. 2	14.61	46,802.32
52A	Craddock - Welling	14.52	14,117.07
61B	Skiff Railroad Crossing - Jct. Hwy. 4	34.00	17,513.05
62A	U.S. Border - Magrath	32.14	18,498.14
1B	Bassano Access - Gleichen Access	30.67	53,119.44
"	Gleichen Access - East of Strathmore	24.13	24,144.63
"	East of Strathmore - East of Calgary	25.31	33,152.09
"	West of Calgary - East of Stony Indian Reserve	31.89	45,527.66
"	East of Stony Indian Reserve - Bow River	22.73	40,613.56
"	Bow River - Banff Park Gates	6.37	24,200.70
1B1	Jct. Hwy. 1 - East of Calgary	6.02	8,831.06
1B2	West of Calgary - Ghost River	25.70	29,735.62
"	Ghost River - Jct. Hwy. 1X	19.63	16,868.94
"	Jct. Hwy. 1X - Jct. Hwy. 1	16.75	19,926.39
1X	Seebe Connection - Hwys. 1 & 1A	2.61	5,725.16
2B	West of Nanton - Jct. Hwy. 23	15.77	17,375.09
"	Jct. Hwy. 23 - South of Calgary	26.49	35,237.53
"	North of Calgary - North of Airdrie	11.08	13,087.13
"	North of Airdrie - 4 Miles North of Carstairs	22.40	50,226.91
2B1	Jct. Hwy. 2 - East of High River	11.90	6,587.75
"	High River - DeWinton	20.49	21,431.19
2B2	South of Crossfield - 4 Miles North of Carstairs	13.74	20,961.49
7A	Longview - South of Black Diamond	10.58	26,004.12
"	South of Black Diamond - Jct. Hwy. 2A	13.21	10,514.65

HWY. NO.	LOCATION	MILES	AMOUNT
9A	Jct. Hwy. 1 - Beiseker	28.12	\$ 20,115.57
"	Beiseker - Jct. Hwy. 26	16.13	19,605.96
"	Jct. Hwy. 26 - South of Drumheller	22.89	23,359.34
9B	North of Drumheller - Jct. Hwy. 56	12.36	18,657.36
"	Jct. Hwy. 56 - Hanna Access	33.83	28,883.42
"	Hanna Access - West of Youngstown	33.14	11,949.83
"	West of Youngstown - Jct. Hwy. 41	34.19	11,830.39
"	Jct. Hwy. 41 - Saskatchewan Boundary	20.51	8,328.96
10A	East Coulee - East of Drumheller	12.40	13,955.45
10A1	Wayne - Jct. Hwy. 10	3.50	8,617.79
21A	Jct. Hwy. 1 - Jct. Hwy. 9	24.42	14,377.90
"	Jct. Hwy. 9 - Three Hills Creek	16.38	7,970.81
22A	Jct. Hwy. 7 - North of Turner Valley	2.96	4,183.86
"	North of Turner Valley - Priddis Corner	16.29	17,427.18
"	North of Priddis Corner - Jct. Hwy. 2	11.00	10,245.16
"	Hwy. 1 - Cochrane	6.98	1,944.05
23B	Carmangay - Champion	8.87	6,466.64
"	Champion - Jct. Hwy. 24	23.22	16,873.12
"	Jct. Hwy. 24 - Jct. Hwy. 2A	27.72	16,740.51
24A	Jct. Hwy. 23 - Bow River	24.38	15,419.72
"	Bow River - Jct. Hwy. 1	19.14	15,582.13
26A	Jct. Hwy. 9 - West of Carbon	7.88	9,747.84
"	West of Carbon - Beiseker	25.05	32,824.48
36C	Red Deer River - Sunnynook Access	27.31	41,905.05
"	Sunnynook Access - Jct. Hwy. 9	22.84	65,164.51
"	Jct. Hwy. 9 - Garden Plains Access	24.38	18,169.64
41B	Red Deer River - South of Acadia Valley	14.32	62,722.33
"	South of Acadia Valley - Oyen	21.61	54,663.27
"	Oyen - Jct. Hwy. 9	2.17	1,161.05
"	Jct. Hwy. 9 - New Brigden	16.34	6,332.59
13A	Saskatchewan Boundary - Hardisty Access	63.81	44,653.75
"	Hardisty Access - East of Daysland	43.11	41,201.54
"	East of Daysland - East of Camrose	25.69	20,237.77
"	West of Camrose - West of Bittern Lake	10.79	12,057.25
14A	Saskatchewan Boundary - Chauvin Corner	7.19	10,284.16
"	Chauvin Corner - Jarrow	52.20	47,054.76
"	Jarrow - South of Tofield	62.42	59,425.84
"	South of Tofield - West of Lindbrook	8.92	4,773.75
15A	Jct. Hwy. 16 - South of Mundare	1.32	1,360.86
16A	West of Lloydminster - 4 Miles East of Mannville	48.31	78,782.89
"	4 Miles East of Mannville - West of Innisfree	20.39	9,949.82
"	West of Innisfree - West of Vegreville	25.90	28,659.95
"	West of Vegreville - Chipman Corner	25.05	23,130.05
*17A	Lloydminster to North and South	89.68	29,071.10
21C	Jct. Hwy. 53 - Jct. Hwy. 13	26.77	21,034.26
"	Jct. Hwy. 13 - New Sarepta	20.52	18,591.77
36E	Battle River - North of Killam	27.17	20,059.64
"	North of Killam - 12 Miles North of Viking	35.84	46,502.51
"	12 Miles North of Viking - Jct. Hwy. 16	11.04	5,437.68
"	Jct. Hwy. 16 - North Saskatchewan River	25.71	21,715.87
41D	Czar - North Boundary Camp Wainwright	16.99	15,767.61
"	North Boundary Camp Wainwright - Buffalo Coulee	23.40	52,347.08
"	Buffalo Coulee - North of Vermilion	22.97	40,034.21
"	North of Vermilion - Jct. Hwy. 45	20.85	12,275.52
"	Jct. Hwy. 45 - North Saskatchewan River	14.45	26,507.03
45A	Saskatchewan Boundary - Jct. Hwy. 41	42.64	24,718.40
"	Jct. Hwy. 41 - Morecambe	23.43	31,300.80
"	Morecambe - West of Two Hills	14.23	4,857.03
"	West of Two Hills - Whitford	22.12	22,535.19
2C	4 Miles North of Carstairs - Jct. Hwy. 2A	20.12	35,746.58
"	Jct. Hwy. 2A - North of Lacombe	48.66	146,887.52
"	North of Lacombe - Hobbema Interchange	22.96	36,202.70
2C1	4 Miles North of Carstairs - Jct. Hwy. 2	20.93	17,756.94
2C2	Innisfail - South of Red Deer	15.34	17,308.99
"	South of Red Deer - Jct. Hwy. 11	2.35	3,372.44
"	Jct. Hwy. 11 - North of Lacombe	15.83	13,454.30
2C3	South of Morningside - North of Hobbema	22.77	16,052.21
11A	Jct. Hwy. 2A - North of Rocky Mountain House	51.30	69,402.40
"	West of Rocky Mountain House - Nordegg	56.30	104,273.39
"	Nordegg - Banff Park Boundary	50.48	48,494.77
12A	Saskatchewan Boundary-Loyalist	46.10	27,064.51
"	Loyalist - Jct. Hwy. 36	41.81	23,932.98
"	Jct. Hwy. 36 - South of Stettler	38.16	34,619.18
12B	South of Stettler - Jct. Hwy. 50	31.28	22,040.71
"	Jct. Hwy. 50 - Jct. Hwy. 53	49.84	37,270.21
"	Jct. Hwy. 53 - Hoadley	13.78	16,152.40
20A	Jct. Hwy. 11 - Jct. Hwy. 51	10.09	12,819.59
21B	Three Hills Creek - North of Delburne	40.47	27,584.91
"	North of Delburne - Jct. Hwy. 12	18.29	10,109.93
"	Jct. Hwy. 12 - Jct. Hwy. 53	21.61	11,017.73
27A	Jct. Hwy. 21 - East of Torrington	11.66	13,760.46
"	East of Torrington - Sundre	48.95	26,973.39
36D	Garden Plains Access - Battle River	31.32	21,235.14
42A	Jct. Hwy. 21 - Jct. Hwy. 2A	27.38	15,803.89
50A	Jct. Hwy. 21 - Jct. Hwy. 12	8.99	4,674.18
51A	Jct. Hwy. 12 - West of Gilby	18.67	25,323.38

HWY. NO.	LOCATION	MILES	AMOUNT
53A	Jct. Hwy. 21 - 13 Miles East of Ponoka	14.20	\$ 10,211.57
"	13 Miles East of Ponoka - Jct. Hwy. 2A	13.64	6,216.37
"	Jct. Hwy. 2A - Jct. Hwy. 12	27.60	12,664.46
54A	Jct. Hwy. 2 - 2 Miles West of Spruceview	22.05	18,137.78
"	2 Miles West of Spruceview - Clearwater River	21.64	14,863.67
56A	Jct. Hwy. 9 - Stettler	46.97	18,004.87
28C	Cold Lake - Jct. Hwy. 28A	43.48	40,960.59
"	Jct. Hwy. 28A - 2 Miles North of Jct. Hwy. 41	12.86	12,860.00
"	2 Miles North of Jct. Hwy. 41 - St. Brides Corner	29.02	24,799.64
"	St. Brides Corner - Jct. Hwy. 36	29.76	22,781.89
"	Jct. Hwy. 36 - 2 Miles West of Waskatenau	35.03	29,508.26
28C1	Jct. Hwy. 28 - West of Jct. Hwy. 28	28.91	17,334.08
40.28X	Saskatchewan Boundary - Jct. Hwy. 28	8.48	
36F	North Saskatchewan River - Jct. Hwy. 28	19.97	17,925.03
"	Jct. Hwy. 28 - Lac La Biche	46.18	130,135.17
41E	North Saskatchewan River - Jct. Hwy. 28	8.61	12,856.35
46B	Lac La Biche - 2 Miles West of Grassland	32.81	103,810.73
63A	1 Mile 0 - 1 Mile 39	39.00	167,281.98
"	1 Mile 39 - 1 Mile 65	26.00	123,134.23
"	1 Mile 65 - 1 Mile 93	28.00	53,149.10
"	1 Mile 93 - 1 Mile 122	29.00	61,348.97
"	1 Mile 122 - Fort McMurray	34.30	90,928.49
16C	Jct. Hwy. 30 - Evansburg	25.27	51,743.39
"	Evansburg Access - Niton Jct.	31.87	62,941.42
"	Niton Jct. - East of Edson	28.78	36,321.90
"	East of Edson - Obed Railroad Crossing	36.10	46,279.63
"	Obed Railroad Crossing - Jasper Park Boundary	36.05	72,668.51
16C1	Entwistle - Jct. Hwy. 16	8.46	13,714.24
31A	Jct. Hwy. 16 - Seba Beach	2.34	3,962.58
32A	Jct. Hwy. 16 - McLeod Valley	10.93	27,615.21
33A	Jct. Hwy. 43 - Alberta Beach	6.45	5,278.89
43A	Jct. Hwy. 16 - Gunn	15.02	33,128.65
"	Gunn - Mayerthorpe Access	37.27	86,143.95
"	Mayerthorpe Access - Whitecourt	27.53	42,221.05
"	Whitecourt - Two Creeks	30.22	58,832.23
47	Cadomin - Coalspur	19.55	63,878.08
"	Coalspur - 2 Miles North of Erith	28.10	55,343.80
"	2 Miles North of Erith - Jct. Hwy. 16	10.60	28,466.35
47A	Coal Valley - Coalspur	12.31	3,275.53
57B	Buck Lake - Drayton Valley	12.74	23,614.27
"	Drayton Valley - Jct. Hwy. 16	25.26	29,740.94
2E	5 Miles North of Legal - Rochester Access	27.98	34,917.31
"	Rochester Access - West of Athabasca	28.68	34,222.15
"	West of Athabasca - Fish Creek	28.69	78,085.46
"	Fish Creek - Jct. Hwy. 44	26.72	34,914.52
"	Jct. Hwy. 44 - Ottauwau River	18.21	16,261.38
"	Ottawau River - Assineau Access	35.07	103,073.24
"	Assineau Access - Faust	20.40	57,466.62
"	Faust - Jousard	14.04	34,123.57
18A	Jct. Hwy. 2 - Barrhead Access	31.38	35,699.92
"	Barrhead Access - Fort Assiniboine Access	22.36	68,819.21
"	Fort Assiniboine Access - Swan Hills	39.67	63,583.72
28B	5 Miles West of Redwater Corner - West of Waskatenau	22.88	16,490.20
44A	Jct. Hwy. 18 - Flatbush Access	41.39	29,796.78
"	Flatbush Access - Jct. Hwy. 2	26.06	20,247.79
46A	Jct. Hwy. 28 - Newbrook Access	21.16	14,325.75
"	Newbrook Access - 2 Miles West of Grassland	40.70	24,844.50
2G	Dunvegan - Jct. Hwy. 49	12.75	30,357.27
"	Jct. Hwy. 49 - North of Grande Prairie	41.25	49,762.62
"	West of Grande Prairie - West of Hythe	34.67	42,567.38
"	West of Hythe - B.C. Boundary	20.50	33,235.79
34A	Jct. Hwy. 2 - Valleyview	29.75	38,446.53
"	Valleyview - Smoky River	42.76	47,984.12
"	Smoky River - Jct. Hwy. 2	21.65	25,587.11
43B	Two Creeks - Little Smoky River	50.54	\$ 61,758.21
"	Little Smoky River - Jct. Hwy. 34	25.98	56,399.28
49B	Watino - Eaglesham Access	10.34	12,768.50
"	Eaglesham Access - Rycroft	33.09	48,866.40
"	Rycroft - West of Spirit River	5.56	4,677.45
"	West of Spirit River - Moonshine Lake Road	16.65	16,784.61
"	Moonshine Lake Road - British Columbia Boundary	32.62	30,237.51
59A	Sexsmith - Jct. Hwy. 2	39.29	20,844.13
2F	Jousard - West of High Prairie	20.56	72,946.68
"	West of High Prairie - Jct. Hwy. 34	25.11	39,758.27
"	Jct. Hwy. 34 - North of Grimshaw	75.75	181,014.57
"	Grimshaw - Dunvegan	53.10	106,525.29
2F1	Triangle - Donnelly Corner	30.80	61,396.29
2F2	Jct. Hwy. 2 - Grimshaw	7.21	3,914.09
35A	Grimshaw - North of Manning	52.51	52,547.11
"	North of Manning - Keg River Access	63.49	129,037.84
"	Keg River Access - High Level	58.27	139,226.85
"	High Level - N.W.T. Boundary	117.89	259,572.70
49A	Donnelly Corner - Watino	21.66	11,435.29
58A	Chinchaga River - High Level	87.66	21,303.70
"	High Level - Jct. Hwy. 58A	34.33	109,112.11
"	Jct. Hwy. 58A - Wood Buffalo Park	20.49	3,769.61

HWY. NO.	LOCATION	MILES	AMOUNT
58A1	Jct. Hwy. 58 - Fort Vermilion	12.39	\$ 17,298.66
ND1	Fairview - British Columbia Boundary	62.18	44,427.38
2D	North of Hobbema - South of Int. Leduc	29.10	70,263.82
"	South of Leduc - Nisku Corner	6.10	36,504.33
"	Nisku Corner - South Edmonton	9.00	50,089.14
"	North of Edmonton - North of St. Albert	5.42	44,513.43
"	North of St. Albert - North of Legal	24.38	47,022.88
2D1	North of Hobbema - Jct. Hwy. 2	30.73	32,310.98
2D2	2 Miles South of Morinville - North of Morinville	5.94	1,772.51
12C	Hoadley - Jct. Hwy. 39	25.56	31,387.35
13B	West of Bittern Lake - Jct. Hwy. 2A	12.58	18,922.69
13B1	North of Wetaskiwin - Jct. Hwy. 13	1.08	506.17
14B	West of Lindbrook - Jct. Hwy. 21	19.01	24,235.96
"	Jct. Hwy. 21 - Sherwood Park	8.25	53,193.80
"	Sherwood Park - Edmonton	2.49	13,855.59
14B1	Jct. Hwy. 14 - Jct. Hwy. 16A	2.41	8,164.24
15B	South of Mundare - 3 Miles East of Chipman	9.75	7,234.09
"	3 Miles East of Chipman - Lamont	12.02	9,428.05
"	Lamont - Jct. Hwy. 37	25.68	33,491.99
"	Jct. Hwy. 37 - North of Edmonton	6.07	14,413.11
16B	Chipman Corner - Elk Island Park Gate	7.66	13,767.52
"	Elk Island Park Gate - Jct. Hwy. 55	16.77	33,453.49
"	Jct. Hwy. 55 - East of Edmonton	5.16	18,129.71
"	West of Edmonton - Winterburn	3.54	27,318.36
"	Winterburn - 4 Miles West of Carvel Corner	26.48	92,558.19
"	4 Miles West of Carvel Corner - Jct. Hwy. 30	4.15	6,076.51
16B1	Jct. Hwy. 16 - East of Edmonton	5.50	25,181.33
19A	Wetaskiwin - Westerose	28.05	27,207.28
"	Westerose - Jct. Hwy. 12	17.85	11,839.26
21D	2 Miles South of New Sarepta - Jct. Hwy. 14	16.38	16,916.00
28A	North of Edmonton - Jct. Hwy. 28A	4.64	23,644.42
"	Jct. Hwy. 28A - Jct. Hwy. 37	3.61	6,558.16
"	Jct. Hwy. 37 - Maybridge Corner	23.56	43,591.97
28A1	Jct. Hwy. 28 - Namao	4.51	6,852.48
29A	Edmonton Beach - Jct. Hwy. 16	3.92	3,585.29
30A	Kapasiwin Beach - Jct. Hwy. 16	2.76	4,584.31
37A	Jct. Hwy. 15 - Jct. Hwy. 28	11.07	22,703.37
37A1	North of Hwy. 15 - West of Namao	7.35	14,770.50
39A	Leduc - 7 Miles West of Calmar	18.26	22,405.63
"	7 Miles West of Calmar - Jct. Hwy. 12	21.85	42,733.11
45B	East of Whitford - East of St. Michael Corner	17.59	12,717.22
"	East of St. Michael Corner - Jct. Hwy. 15	21.00	35,990.86
55A	Jct. Hwy. 16 - Jct. Hwy. 15	9.27	15,370.71
57A	Jct. Hwy. 39 - Buck Lake Creek	13.15	12,360.75
60A	Devon - Jct. Hwy. 16	12.89	19,372.34
"	Jct. Hwy. 39 - Devon	7.17	7,904.46
		<u>6,774.24</u>	<u>\$8,930,510.37</u>

ACCESS ROADS

HWY. NO.	LOCATION	MILES	AMOUNT
43:72	Jct. Hwy. 1 - Tilley	2.65	\$ 1,257.51
43:97	" " 36 - Rainier	3.93	910.60
43:106	" " 36 - Duchess	1.39	530.93
43:109	" " 1 - Brooks	1.28	52.02
43:110	" " 36 - Scandia	1.20	500.73
43:139	" " 41 - Empress	6.24	10,368.15
43:76	" " 6 - Pincher Creek .....	.60	26.56
43:120	" " 2 - Granum .....	.85	159.50
43:47	" " 2 - Carstairs	3.03	1,235.13
43:52	" " 1 - Gleichen	1.28	290.85
43:53	" " 1 - Cluny	1.52	341.84
43:64	" " 23 - Vulcan .....	.11	32.66
43:69	" " 9 - Hanna .....	.45	76.64
43:75	" " 1A - Spy Hill Gaol	2.58	246.47
43:102	" " 26 - Acme .....	.26	
43:118	" " 23 - Blackie	2.03	536.50
43:121	" " 9 - Delia	1.01	59.05
43:122	" " 9 - Craigmyle	1.39	87.79
43:133	" " 21 - Rockyford	5.13	2,319.36
43:141	" " 9 - Beiseker .....	.26	173.21
43:144	" " 9 - Irricana .....	.51	78.24
43:48	" " 14 - Edgerton	6.03	2,401.74
43:51	" " 13 - Hardisty .....	.53	319.24
43:56	" " 45 - Dewberry .....	.96	358.03
43:57	" " 45 - Clandonald	1.77	32.14
43:58	" " 45 - Hazeldine	1.54	434.50

HWY. NO.		LOCATION	MILES	AMOUNT
43:59	Jct. Hwy.	16 - Islay	3.43	\$ 9,261.88
43:60	" "	13 - Sedgewick .....	.43	109.11
43:63	" "	41 - Rusylvia	1.00	16.34
43:66	" "	13 - Provost .....	.37	248.13
43:86	" "	13 - Hughenden .....	.33	395.55
43:87	" "	13 - Metiskow	1.84	937.63
43:91	" "	21 - Ferintosh .....	.98	79.10
43:108	" "	13 - Cadogan	6.55	3,782.58
43:135	" "	36 - Alliance	1.88	662.66
43:137	" "	36 - Galahad	4.55	2,432.88
43:138	" "	45 - Myrnam .....	.17	
43:147	" "	17 - Chauvin	3.86	1,239.56
43:148	" "	16 - Kitscoty .....	.77	158.24
43:150	" "	45 - Hairy Hill .....	.57	204.57
43:155	" "	45 - Derwent .....	.20	114.20
43:46	" "	2 - Didsbury	4.24	2,063.55
43:50	" "	11 - Eckville	2.79	469.12
43:54	" "	21 - Three Hills	1.03	237.16
43:55	" "	56 - Big Valley .....	.96	61.53
43:65	" "	12 - Coronation .....	.17	
43:70	" "	21 - Trochu .....	.51	
43:71	" "	21 - Huxley .....	.33	144.78
43:88	" "	12 - Tees .....	.21	
43:89	" "	21 - Elnora	2.03	225.64
43:90	" "	21 - Lousana	2.27	201.11
43:111	" "	12 - Clive .....	.51	
43:113	" "	56 - Morrin	2.46	555.41
43:114	" "	54 - Dickson	2.01	329.70
43:130	" "	11 - Leslieville	4.73	153.71
43:74	" "	28 - Waskatenau .....	.30	
43:96	" "	28 - Bonnyville Beach	2.17	685.93
43:104	" "	28 - Warspite .....	.52	
43:116	" "	28 - Vilna .....	.12	
43:140	" "	28 - Glendon	4.54	888.75
43:143	" "	28A - Mallaig	2.02	782.40
43:146	" "	46 - Plamondon	1.72	365.41
43:67	" "	43 - Sangudo .....	.28	111.26
43:68	" "	43 - Rochfort Bridge .....	.31	982.74
43:84	" "	43 - Onoway	1.03	237.82
43:85	" "	43 - Mayerthorpe .....	.45	97.03
43:115	" "	16 - Evansburg .....	.63	443.86
43:62	" "	28 - Redwater	1.07	317.46
43:73	" "	44 - Pibroch .....	.88	67.18
43:79	" "	2 - Vimy .....	.85	126.37
43:80	" "	44 - Dapp	3.64	978.46
43:81	" "	44 - Jarvie	1.00	105.95
43:82	" "	44 - Flatbush	2.01	403.09
43:83	" "	44 - Fawcett .....	.31	680.60
43:98	" "	18 - Barrhead	2.16	607.18
43:100	" "	2 - Colinton	3.31	1,929.97
43:103	" "	2 - Clyde .....	.52	166.78
43:107	" "	18 - Fort Assiniboine .....	.50	188.42
43:117	" "	46 - Newbrook .....	.49	263.07
43:125	" "	2 - Kinuso	1.15	71.06
43:126	" "	2 - Rochester	2.30	1,852.97
43:142	" "	46 - Thorhild	4.05	1,369.42
43:151	" "	46 - Boyle .....	.23	176.18
43:153	" "	2 - Slave Lake .....	.76	
43:92	" "	49 - Eaglesham	4.02	477.25
43:93	" "	2 - Woking	2.80	1,464.88
43:94	" "	2 - Sexsmith .....	.35	68.09
43:101	" "	2 - Wembley	1.02	1,515.53
43:105	" "	2 - Saskatoon Mountain	2.02	388.48
43:112	" "	49 - Tangent	5.17	5,254.25
43:119	" "	49 - Falher .....	.76	32.64
43:127	" "	49 - Girouxville	2.01	252.09
43:136	" "	2A - Donnelly .....	.15	56.71
43:149	" "	35 - Dixonville .....	.23	76.51
43:78	" "	2 - Legal	1.76	594.61
43:131	" "	39 - Tnorsby .....	.32	339.48
43:132	" "	39 - Warburg .....	.62	466.30
43:157	" "	45 - Andrew .....	.50	6.48
			160.76	\$71,806.19
TOTAL MILES -			6,935.00	

*Appropriation 1544 (1513 Part)
See Page 40 for details.

GRANTS TO SPECIAL AREAS

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

Appropriation 1514 \$ 250,000.00

GRANTS TO MUNICIPALITIES AND COUNTIES

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

*General		\$	1,371.40	County	6	\$	123,347.04
M.D.	6		80,860.71	"	7		71,637.03
"	9		62,697.16	"	8		144,639.20
"	14		115,481.56	"	9		104,759.77
"	26		144,606.01	"	10		103,950.37
"	31		104,207.49	"	11		67,220.61
"	34		22,569.56	"	12		99,835.53
"	44		142,760.76	"	13		74,646.06
"	47		77,766.28	"	14		95,927.48
"	48		111,468.58	"	16		124,850.21
"	52		99,323.70	"	17		138,374.45
"	61		130,279.94	"	18		93,129.05
"	87		71,185.33	"	19		95,830.38
"	90		78,981.31	"	20		64,984.73
"	92		81,283.16	"	21		94,322.34
"	130		74,913.43	"	22		121,410.29
"	133		27,154.11	"	23		115,804.82
"	135		29,614.60	"	24		140,261.22
"	136		35,176.00	"	25		113,089.61
County	1		135,267.11	"	26		90,251.98
"	2		174,270.94	"	27		100,044.16
"	3		99,936.26	"	28		115,774.39
"	4		110,262.27	"	29		114,839.38
"	5		112,170.11	"	30		95,542.66
				"	31		120,354.66
				Appropriation 1515 \$ <u>4,748,435.20</u>			

*Expenditure shown as General was incurred by Engineering Parties.

SPECIAL CONTINGENCIES

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

M.D.	6	\$	44,022.72	County	6	\$	59,428.34
"	9		75,000.00	"	7		55,004.61
"	14		58,911.31	"	8		55,391.94
I.D.	18		55,749.90	"	9		50,918.27
"	20		30,114.75	"	10		46,478.43
"	21		26,797.04	"	11		50,801.23
M.D.	26		75,016.70	"	12		95,238.75
"	31		14,223.53	"	13		45,002.34
"	34		20,865.32	"	14		74,966.61
"	44		115,445.74	"	16		104,495.00
"	47		60,003.12	"	17		55,006.07
"	48		82,460.33	"	18		44,958.23
"	52		48,084.61	"	19		134,219.76
"	61		46,151.10	"	20		40,000.00
"	87		78,004.75	"	21		49,759.64
"	90		50,000.00	"	22		53,214.30
"	92		54,915.08	"	23		50,085.54
"	130		37,530.33	"	24		65,129.25
"	133		28,735.07	"	25		51,397.59
"	135		8,240.47	"	26		75,000.00
"	136		10,261.90	"	27		45,817.06
County	1		51,198.11	"	28		105,890.44
"	2		75,000.00	"	29		45,332.55
"	3		54,891.46	"	30		56,989.60
"	4		75,000.00	"	31		55,379.44
"	5		50,397.27	Special Area #3			41,142.80
				Appropriation 1516 \$ <u>2,934,068.40</u>			

NATURAL RESOURCES ROADS**EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970**

M.D.	9	.....	\$ 10,613.21	County	9	.....	\$ 8,854.76
I.D.	11	.....	9,978.83	"	10	.....	10,000.00
"	18	.....	29,991.02	"	11	.....	15,664.82
M.D.	31	.....	10,000.00	"	12	.....	9,000.00
"	44	.....	15,000.00	"	13	.....	15,945.54
"	47	.....	15,000.00	"	14	.....	15,000.00
"	48	.....	15,000.00	"	16	.....	20,000.00
"	61	.....	10,000.00	"	17	.....	14,718.80
"	87	.....	17,413.88	"	18	.....	15,000.00
"	90	.....	20,000.00	"	22	.....	7,500.00
"	92	.....	10,000.00	"	23	.....	7,500.00
County	1	.....	15,000.00	"	24	.....	15,000.00
"	3	.....	15,000.00	"	25	.....	10,000.00
"	4	.....	18,000.00	"	27	.....	10,000.00
"	6	.....	15,000.00	"	28	.....	30,000.00
"	7	.....	29,868.94	"	29	.....	15,000.00
				"	31	.....	20,000.00
				Appropriation 1518 <u>\$495,049.80</u>			

SUMMARY**CONSTRUCTION AND MAINTENANCE OF DISTRICT HIGHWAYS AND LOCAL ROADS**

Appropriation 1513	-	Grants to Improvement Districts	\$ 4,870,764.00
" 1514	-	Grants to Special Areas	250,000.00
" 1515	-	Grants to Municipal Districts	4,748,435.20
" 1516	-	Special Contingencies	2,934,068.40
" 1518	-	Natural Resources Roads	495,049.80
			<u>\$13,298,317.40</u>

IMPROVEMENT DISTRICTS TRUST ACCOUNT**EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970**

I.D.	1	\$ 250,000.00	I.D.	15	\$ 247,656.07
"	2	.....	63,376.98	"	16	.....	239,089.15
"	5	.....	55,000.00	"	17	.....	279,500.00
"	6	.....	30,000.00	"	18	.....	82,800.44
"	7	.....	15,000.00	"	19	.....	46,940.67
"	8	.....	72,320.83	"	20	.....	50,266.50
"	10	.....	177,970.44	"	21	.....	85,000.00
"	11	.....	30,000.00	"	22	.....	65,000.00
"	14	.....	350,000.00	"	23	.....	80,000.00
				*Appropriation 1517 <u>\$2,219,921.08</u>			

*(Trust Account) Expenditure reimbursed by
Department of Municipal Affairs

WAYSIDE CAMPSITES**EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970**

*Campsite Facilities	Appropriation 1588	<u>\$12,585.45</u>
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*Facilities manufactured for several proposed campsite
and access areas to the Bow, Jumpingpound, Sheep and
Highwood Rivers.

MAINTENANCE AND OPERATION OF FERRIES

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

FILE NO.	LOCATION	RIVER	ADMINST-RATION	INSTALLATION	REPAIRS	OPERATION	TOTAL
2549	Steveville	Red Deer	\$	\$	\$ 1,790.39	\$ 10,393.19	\$ 12,183.58
2563	Finnegan	Red Deer			1,088.09	5,466.93	6,555.02
2589	North of Jenner	Red Deer			2,205.95	5,870.78	8,076.73
2773	South of Rolling Hills ...	Bow			949.78	9,558.01	10,507.79
2508	Dorothy	Red Deer			1,835.37	5,170.41	7,005.78
2760	South of Crowfoot	Bow		49.12	3,547.36	7,744.21	11,340.69
2518	North of Lloydminster ...	North Saskatchewan			34,030.87	34,030.87	34,030.87*
2560	West of Munson	Red Deer		59.58	7,812.60	11,366.82	11,366.82
2526	Hopkins	North Saskatchewan		3.15	4,964.75	6,332.90	6,332.90
2543	North of Myrnam	North Saskatchewan	20.30	17.04	1,886.20	9,654.30	11,577.84
2777	Blue Ridge	Athabasca		898.98	6,182.78	12,870.36	19,952.12
2790	Rosevear	McLeod	134.61		2,146.54	7,896.72	10,043.26
2750	Klondyke Crossing	Athabasca			1,083.17	5,049.55	6,267.33
2755	South of Wembley	Wapiti			1,006.30	1,006.30	1,006.30
2741	La Crete	Peace	16.80	18.79	5,776.42	28,595.44	34,407.45
2797	Fort Vermilion	Peace	96.52	438.44	12,243.62	29,473.75	42,282.33
2561	Berrymoor	North Saskatchewan	20.08		5,875.87	9,673.36	15,569.31
2513	Pakan	North Saskatchewan			5,901.72	13,181.39	19,083.11
2500	General - Head Office Supervision		1,165.13				1,165.13
	Appropriation 1511		\$1,453.44	\$1,485.10	\$57,372.90	\$208,412.92	\$268,724.36

*Maintained and operated by the Province of Saskatchewan
50% of the cost borne by the Province of Alberta.

CONSTRUCTION BRANCH

R. H. CRONKHITE

CHIEF CONSTRUCTION ENGINEER

At the end of the 1969-70 fiscal year, the mileage of Provincial Highways, Approach Roads and Provincial Park Roads was as follows:

PRIMARY HIGHWAYS 6661.89 Miles

SUMMARY

Pavement Surfaces:		
Concrete Surface, two lanes	1.22 Miles	
" " , four lanes undivided ..	0.90 "	
Asphalt Surface, two lanes	4,546.07 "	
" " , four lanes undivided ...	57.85 "	
" " , multilane divided	305.52 "	
Combined Asphalt and Concrete Surface,		
four lanes undivided	0.29 "	
multilane divided	4.27 "	4,916.12 Miles
Other Surfaces:		
Gravel Surface, two lanes	1,745.77 Miles	
		<u>6,661.89 Miles</u>

APPROACH ROADS 160.56 Miles

SUMMARY

Asphalt Surface, two lanes	99.76 Miles	
Gravel Surface, two lanes	60.80 "	
		<u>160.56 Miles</u>

PARK ROADS 106.99 Miles

SUMMARY

Asphalt Surface, two lanes	43.95 Miles	
Gravel Surface, two lanes	63.04 "	
		<u>106.99 Miles</u>

INTERCHANGES CONSTRUCTED TO DATE 57 Units

During the 1969-70 construction season, 254.54 miles of subgrade construction, 13.75 miles of subgrade widening and 222.64 miles of gravel surfacing were completed.

In addition, 101.76 miles of stabilized gravel base course, 84.71 miles of soil-cement stabilized base course, 19.71 miles of soil-asphalt stabilized base course, 36.58 miles of cement stabilized gravel base course, and 14.87 miles of asphaltic concrete base-pavement were completed. Asphaltic concrete paving was completed on 325.09 miles and asphaltic seal coat surfacing on 252.66 miles.

Interchange construction has extended to 57 units and the programme of improving major intersections to provide acceleration and deceleration lanes and/or service road facilities has extended to 70 units constructed and paved, 7 of which were completed this fiscal year.

Of the 137 major projects under construction 1,481 shifts were lost due to wet weather conditions, totalling approximately 14,810 construction hours. The percentage of work carried over amounted to 3% of grading, 6% of stabilized base course and 5% of asphaltic concrete pavement remaining uncompleted.

The programme of developing the Trans-Canada Highway, West of Calgary, to meet multi-lane freeway standards continued with the awarding of two contracts for grading and base course covering the final section from East of Stony Indian Reserve to Kananaskis River, a distance of 16.76 miles. The first contract, from South of Morley to Kananaskis River, was for 10.21 miles and commenced in August. Approximately half the work was completed during the fiscal year. The second contract from East of Stony Indian Reserve to South of Morley, a distance of 6.55 miles, was awarded in February of 1970 and right-of-way clearing and structure approach grading was carried out. Two asphaltic concrete pavement contracts were awarded. The first from East of Bow River to Banff Park Boundary, a distance of 6.77 miles, was completed. The second contract from Kananaskis River to East of Bow River, a distance of 13.40 miles was awarded in March, 1970, and no work was done in the fiscal year. Asphaltic seal coat surfacing was applied from West of Bowness to East of Stony Indian Reserve, a distance of 23.11 miles. Construction on projects carried over from the previous year was completed.

Engineering survey and design of a six-lane divided freeway from the Calgary city limits along the west boundary of the Airport to South of Balzac was advanced. The construction of the six-lane divided freeway facility from South of Balzac to North of Airdrie was continued.

Major four-lane divided freeway construction continued on Highway No. 16, East of Edmonton, with the completion of two contracts between Clover Bar and the Bremner Interchange. Construction on Highway No. 16 was extended with the awarding of a grading and base course contract from East of Elk Island Park Entrance to Chipman Corner, involving 1.36 miles of four-lane divided expressway and 5.48 miles of two-lane highway.

Expressway construction of Highway No. 3, West of Lethbridge was extended with the awarding of a contract for grading and asphaltic base-pavement of a four-lane divided facility from Monarch to East of Coalhurst, a distance of 9.99 miles. Total project completion was set for the fall of 1970.

In line with detailed engineering studies and the subdivision requirements of Fort Saskatchewan, a contract was awarded for grading, base course and paving on new alignment from West of the Junction of Highways No. 15 and No. 55, by-passing the developed areas. The majority of the construction was completed in this fiscal year.

Continued progress was made in the construction of major arterial two-lane highways throughout the Province.

Grading between Enilda and High Prairie, a distance of 5.18 miles, completed the subgrade construction for Highway No. 2 from Hondo to High Prairie. Base course construction was advanced with the completion of 17.94 miles from East of Otawau River to Slave Lake.

Reconstruction was continued on Highway No. 5 with the awarding and completion of a contract for grading and stabilized base course, 9.72 miles in length, from Lethbridge to North of Welling.

This fiscal year saw the completion to the asphaltic concrete pavement stage of Highway No. 17 from Lloydminster to the Junction of Highway No. 45. This work was directed by the Government of the Province of Saskatchewan, the cost of which was shared equally by Alberta and Saskatchewan.

The rebuilding of Highway No. 18, from Barrhead Corner to the Athabasca River continued on new alignment with a contract for grading and gravelling from Camp Creek to Athabasca River, completing 8.00 miles of the 9.20 mile project.

Stabilized gravel base course construction of the section of Highway No. 22 from Priddis Corner to Turner Valley extends an asphaltic surface over the entire length of the highway.

Highway No. 36 was further extended by a grading and gravelling contract from Junction Highway No. 4 to a point 6.43 miles North of Warner of which approximately 97 percent of the work was completed this construction season. This year saw the completion of the up-grading of that section of Highway No. 36 from East of Castor to North of Garden Plain with the awarding of a grading and gravelling contract. The majority of the alignment was on new location. Highway No. 41 was also extended by a grading and gravelling contract from South of New Brigden to the Junction of Highway No. 9, a distance of 16.34 miles. Grading and gravelling under contract was carried out from Junction Highway No. 1 to Cochrane, a distance of 6.98 miles and became an extension of Highway No. 22.

In order to advance paving and to control dust and mud on Highway No. 35 at High Level, Soil-Cement Base Course was placed from South of Melito Creek to North of High Level for a distance of 12.00 miles. Because of similar conditions at Fort McMurray, stabilized gravel base course was placed on Highway No. 63, from South of Airport Road to Athabasca River. This was also 12.00 miles in length and the first paving work on Highway No. 63.

Work on Northern Development Projects continued. The Clear River Crossing through unstable terrain was advanced, completing 2.38 miles. On the High Level to Rainbow Lake project 17.81 miles of grading was completed in the South of Assumption to East of Comet Airstrip area. Pit-run gravel surfacing was placed on some 47.67 miles of this road. Crushing to Stockpile by contract was also carried out for this project.

Construction was advanced on the Entrance to Grande Cache development road, completing the grading from Muskeg Corner Junction to West of Mason Creek and from Jarvis Lake to South of Winter Creek. Approximately 18.0 miles were graded and 26.21 miles were gravelled. Winter clearing of the right-of-way was carried out by contract from Fred Creek to Muskeg Cabins covering 35.22 miles.

Heavy construction was also continued on the development road from Highway No. 16 (West of Hinton) to the Luscar coalfield area with a grading and gravelling contract and for 17.69 miles from Junction Highway No. 16 to South of Warden Creek. The carried-over work from South of Warden Creek to Luscar was completed and gravel was spread over the total route. The road was opened to traffic in late fall of 1969.

The Roads to Provincial Parks Programme was advanced with the completion of grade construction on 9.46 miles, gravel surfacing on 9.30 miles, base course on 21.42 miles and asphaltic concrete pavement on 0.76 miles. This covered road improvements to eight Provincial Parks.

Work carried out on 13 Approach Roads covered 0.64 miles of grading, 0.13 miles of gravelling, 7.82 miles of base course and 12.41 miles of asphaltic concrete pavement.

A programme of constructing weigh scale sites was commenced under Appropriation 1592. Three existing weigh scales were moved to new sites, including the Balzac and Leduc sites on Highway No. 2 where grading and base course was done and the Ardrossan site on Highway No. 16 where grading and asphaltic concrete base-pavement was completed. Preliminary surveys were carried out on other sites along Primary Highways throughout the Province.

Winter work undertaken by the Department involved crushing to stockpile by contract for twelve projects, for Primary Highways. There were also four pit-run stockpiling projects by day labour. Truck registration and rotation was continued with the winter stockpiling of gravel, 869 trucks being registered.

Other winter work carried out included clearing by contract of the right-of-way from East of Horburg to Nordegg and West of Bighorn River to Windy Point on Highway No. 11, and clearing of the right-of-way by day labour on the Williamson and Gregoire Lake park roads.

In the erosion control programme approximately 10,750 acres of highway right-of-way including sideslopes, ditches and medians were seeded and fertilized during the year.

In our safety and signing programme, approximately 155,000 lineal feet of guard rail and 25,000 road edge delineators were installed. As a continuation of our programme, guard rail ends were tied down on all new installations and a start was made in converting old installations. In all, over 1,000 end sections were tied down. A programme was initiated to convert steel supports for large directional signs to our new "break-away" standard in order to reduce the severity of accidents involving out-of-control vehicles. Approximately 60 sign supports were converted during the year.

Other safety installations included illumination of the Trans-Canada Highway interchange complex between Canmore and the Banff National Park gates and minor illumination at the interchange of Highways No. 2 and No. 2A South of Red Deer.

Seventy-eight towns and villages undertook street construction programmes under the Five Year Street Assistance Programme for Alberta's Towns and Villages. Of these, sixty-seven completed their projects. Work carried out included grading, gravelling, asphaltic surface treatment, base course, paving, storm sewer installation and construction of concrete curbs, gutters and sidewalks.

The Department continued a dust abatement programme using calcium chloride and investigated the use of asphalts for the purpose. Investigation indicated oiling would be a further approach to economical dust control for future years.

Continued extension of full depth asphaltic concrete base pavements included three additional projects of this type of construction. Continued evaluation of this type of construction indicates that very good success is being obtained with this method. To date a reduction in transverse cracking is noted and very good performance is being obtained otherwise. A particular advantage is the high strength of this type of base during the Spring thaw period when pavement temperatures are relatively low.

Further investigation into the problem of transverse cracking of asphaltic pavements shifted emphasis on the use of softer asphalts for paving. Evaluation of pavements constructed with AC 275 asphalt indicated beneficial results as far as uniformity of construction and reduction of transverse cracking.

Additionally, further evaluation of the pavement produced using SC 3000 asphalt constructed during the previous season on Highway No. 49 between Falher and Watino indicated that a reduction in cracking over heavy clay subgrades has been achieved. More projects using this softer paving asphalt were introduced in the northern part of the Province.

The Department has expanded the use of stabilized bases to increase load-carrying capabilities and to conserve high quality aggregates in various areas.

This year saw the completion of construction of our new Highway Testing Laboratory. The improved facilities will provide for greater efficiency and better control of materials being used on construction projects. The laboratory, located in the area of the Edmonton Repair Shops, was opened on March 13, 1970.

Approximately 53,000 lab. tests were performed on some 10,000 samples. In addition, a large number of special investigations were undertaken involving research projects of various types, including use of pozzolan in soil-cement, etc.

Approximately 40,000 tests were performed in the mobile field laboratories, on highway construction materials.

The Department thoroughly evaluated nuclear moisture-density units performing rapid on-the-spot measurements of moisture contents and densities on all types of construction.

Exploration for sand and gravel deposits was carried out primarily by three mobile crews and a total of 198 locations were checked during the process. Approximately 11,000,000 cubic yards of gravel and approximately 750,000 cubic yards of sand were proven for construction purposes.

Foundation testing and evaluation was carried out on 50 bridge and culvert sites. Slope stability investigations were carried out at Bridge sites and in unstable areas.

Further work on a very comprehensive condition survey of older pavements in the Province was carried out. Information from this survey will enable the Department to set priorities in our resurfacing and reconstruction program. Use of computers in this and other phases has increased efficiency considerably.

As in previous years, the Department employed five mobile Benkelmen Beam testing crews for the control of road restrictions on highways throughout the Province during the Spring break-up period and also in strength evaluation for updating sufficiency ratings. Approximately 62,000 Benkelmen Beam tests were performed this year.

During the year, detailed engineering field surveys were completed on 39 projects involving 234 miles. In addition, ten major interchanges and related access control systems were surveyed. Detailed design was completed on 40 projects involving 220 miles and seven interchange complexes.

The application of the computer was advanced this year involving geometric design, quantitative calculations and qualitative analysis. The application to heavy grading design has produced excellent refinements and time saving.

During the fiscal year 1969-70 there were no applications for new protection of railway crossings at grade on Primary Highways. There were four (4) applications for grade widening with relocation of existing flashing-light signals and bell. There were no installations of protection of crossings at grade on Primary Highways.

A Staff-in-Training Programme was again conducted covering a four-week intensive training course for Highway Instrumentmen during March. Twenty-three Field men completed the course, involving three operating Branches of the Department. Personnel attending this course also attended a First Aid Course for supervisory personnel conducted by the Workmen's Compensation Board for one week. As in previous years, a training course for Materials Testing Technicians was conducted in the Main Testing Laboratory.

Following is a statement of the work performed during the year ending March 31, 1970:-

HIGHWAY CONSTRUCTION - 1969/70

GRADING - PRIMARY HIGHWAYS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WIDTH IN FEET	WORK DONE BY
T784A	A1-C-2/1	S. of Morley - Kananaskis River	5.43	Subgrade Construction (Add'l. 2-lanes)	Variable	Contract
"	"	Ft. Chiniquay Service Station - Frontage Road	0.14	"	"	"
"	"	Interchange No. 245 - Connections	0.53	"	"	"
"	"	District Road Thru Interchange	0.19	"	"	"
"	"	Interchange No. 246 - Connections	0.56	"	"	"
"	"	District Road Thru Interchange	0.20	"	"	"
"	"	Service Roads	6.00	"	28	"
T779Z	A1-C-2/1	E. Bdy. Stony Indian Reserve - Kananaskis River		Clearing		"
T779G	A1-C-2/2	Kananaskis River - Lac des Arcs	5.48	Subgrade Construction (Add'l. 2-lanes)	Variable	"
"	"	Interchange No. 191 - Loops & Connections	0.15	"	"	"
"	"	Subdivision Road Thru Interchange	0.10	"	"	"
"	"	Access Road to Provincial Campsite	0.03	"	"	"
"	"	Interchange No. 32 - Loops & Connections	0.44	"	"	"
"	"	Service Roads	0.06	"	28	"
"	"	Hwy. 1X Thru Interchange	0.18	"	Variable	"
T779F	A1-C-2/2 & 2/3	Lac des Arcs - E. of Bow River	0.37	"	52	"
T780X	2A-B-3	Pigeon Mountain Access Thru Interchange	0.31	"	Variable	"
T781E	2-C-1	Okotoks - E. of Jct. Hwy. 7	0.96	"	"	"
"	"	S. of Balzac - N. of Airdrie	7.42	"	"	"
"	"	Interchange No. 271 - Connections	1.20	(4-lane Undivided to 6-lane Divided)	2 Roadways @69	"
"	"	District Road Thru Interchange	0.50	Subgrade Construction	Variable	"
"	"	Private Access Connecting Service Road	0.38	"	"	"
"	"	Interchange No. 273 - Loops & Connections	1.50	"	"	"
"	"	District Road Thru Interchange	0.46	"	"	"
"	"	Service Roads	10.42	"	28	"
T777L	2-D-3	S. of Nisku - S. of Ellerslie	4.93	"	"	"
"	"	Subsidiary Road Connection	0.30	(4-lane Undivided to 6-lane Divided)	2 Roadways @69	"
"	"	Service Roads	6.98	Subgrade Construction	Variable	"
T782L	2-G-2	W. of Enilda - E. of High Prairie	5.18	"	28	"
"	"	Service Road	0.07	"	42	"
T777Y	3-B-1	Monarch - E. of Coalhurst	6.50	"	28	"
"	"	Service Roads	4.27	"	2 Roadways @52	"
T783G	5-A-1	Lechbridge - N. of Welling	9.72	Subgrade Widening	28	"
"	"	District Road Connection	0.60	Subgrade Construction	Variable	"
"	"	Service Roads	0.50	"	28	"
"	"	Connections to Old Hwy.	0.21	"	Variable	"
T780C	11-B	Crimson Lake Park Road - E. of Horburg	-	Clearing	"	D.O.H. & T.
T785E	11-B	E. of Horburg - Nordegg	-	"	-	Contract
T784F	11-C-1	W. of Bighorn River - W. of Windy Point	0.26	Subgrade Widening	-	"
T778J	13-B-4	N. of Ervick - Camrose	0.55	Subgrade Construction	52	"
T783M	14-A	N. of Chauvin - Jct. Hwy. 17	0.24	"	42	"
T779K	15-A-1	Ft. Saskatchewan Revision, Jct. Hwys. 15 & 55	1.39	"	Variable	"
"	"	Highway 15	0.55	"	"	"
"	"	Highway 55	0.24	"	"	"
"	"	Connections	0.66	"	28	"
"	"	Service Roads	8.90	"	36	"
T782U	15-A-2	E. of Chipman - Mundare	1.36	"	2 Roadways @52	"
T779N	16-B-2	E. of Elk Island Park Ent. - Chipman Corner	3.72	Subgrade Widening	56	"
"	"	"	1.60	Subgrade Construction	28	"
"	"	Service Roads		"		"

GRADING - PRIMARY HIGHWAYS (Continued)

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WIDTH IN FEET	WORK DONE BY
T780H	16-B-2	E. of Clover Bar - W. of Bremner Interchange	0.21	"	Variable	"
"	"	Interchange 164 - Loops & Connections	0.10	"	"	"
"	"	District Road Thru Interchange	0.36	"	28	"
"	"	Service Roads	0.06	"	Variable	"
"	"	Interchange 163A - S.E. Connection	1.80	"	2 Roadways @52	"
T781B	16-B-2	Clover Bar - E. of Clover Bar	0.45	"	Variable	"
"	"	Interchange 165 - Comm. Site - Frontage Road	3.15	"	28	"
"	"	Service Roads	0.34	"	Variable	"
"	"	Interchange 163 - Connections	0.92	"	"	"
"	"	162 - Loops & Connections	0.47	"	"	"
"	"	Hwy. 16A Connections	1.98	"	28	"
"	"	District Road Thru Interchange	8.00	"	42	"
"	"	Service Roads	-	Drainage Installation	-	D.O.H. & T.
T782K	18-A-2	Camp Creek - Athabasca River	0.05	"	"	"
T745H	20-A	Jct. Hwy. 11 & Jct. Hwy. 51	0.05	Subgrade Widening	Variable	"
T782R	28-C-1	Grand Centre - Cold Lake	19.80	Subgrade Construction	42	Contract
T745Y	35-B-3	Intersectional Treatment @ Jct. Hwys. 35 & 58	6.20	"	"	"
T783D	36-A-3	E. of Castor - N. of Garden Plain	16.34	Fencing	-	D.O.H. & T.
T784D	36-E-2	M. of Warner - Jct. Hwy. 4	9.75	Subgrade Construction	36	Contract
T781M	36-F	Thru Kikino Metis Colony	9.60	"	42	"
T781A	41-B-4	S. of New Brigden - Jct. Hwy. 9	0.72	"	32	D.O.H. & T.
T7827	45-A-4	E. of Myrnam - Jct. Hwy. 41	0.56	"	36	Contract
T780V	46-B	E. of Atmore - S.E. of Plamondon	0.72	"	42	"
T784M	47	Bridge Approaches to McLeod River (E. of Fidler Siding)	1.38	"	32	D.O.H. & T.
T783R	63-B-2	Ft. McMurray Hill Revision	0.26	"	36	Contract
T781K	50:11	Jct. Hwy. 1 - Cochrane	0.13	"	42	"
"	"	Connections	0.64	"	32	"
TOTAL ...			198.03	Miles		
Subgrade Construction			184.28	Miles		
Subgrade Widening			13.75	"		
TOTAL ...			198.03	Miles		
By Contract			197.26	Miles		
By Department of Highways & Transport			0.77	"		
TOTAL ...			198.03	Miles		

GRADING - APPROACH ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WIDTH IN FEET	WORK DONE BY
T552C	43:98	N. of Barrhead - Jct. P.R. 107	0.26	Subgrade Construction	Variable	D.O.H. & T.
T555Q	43:148	Jct. Hwy. 16 - Kitscoty	0.25	"	32	"
T555M	43:155	Jct. Hwy. 45 - Derwent	0.13	"	"	Contract
TOTAL ...			0.64	Miles		
By Contract			0.13	Miles		
By Department of Highways & Transport			0.51	"		
TOTAL ...			0.64	Miles		

GRADING - PARK ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WIDTH IN FEET	WORK DONE BY
T601P	P.R. 103	Brooks - Kinbrook Island Park	8.90	Subgrade Construction	32	Contract
T601F	P.R. 107	Barbhead - W. of Barbhead	0.56	"	Variable	D.O.H. & T.
T601R	P.R. 113	Jct. Hwy. 34 - Williamson Park		Clearing		"
T611Q	P.R. 119	Jct. Hwy. 63 - Gregoire Lake Park		"		"
		TOTAL ...	9.46	Miles		
		By Contract	8.90	Miles		
		By Department of Highways & Transport	0.56	"		
		TOTAL ...	9.46	Miles		

GRADING - NORTHERN DEVELOPMENT ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WIDTH IN FEET	WORK DONE BY
T995V	N.D. 1	E. of Clear River - W. of Clear River	2.38	Subgrade Construction	36	D.O.H. & T.
T995C	N.D. 2	W. of Sixth Meridian - E. of Comet Airstrip	5.00	"	32	Contract
"	N.D. 2	E. of Comet Airstrip - S. of Assumption	0.81	"	"	"
T995F	N.D. 2	S. of Assumption - Comet Airstrip	12.00	"	"	"
		TOTAL ...	20.19	Miles		
		By Contract	17.81	Miles		
		By Department of Highways & Transport	2.38	"		
		TOTAL ...	20.19	Miles		

GRADING - SPECIAL PROJECTS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WIDTH IN FEET	WORK DONE BY
T611F	42.96C-1	Jct. of Trunk Road - W. of Mason Creek	2.23	Subgrade Construction	32	Contract
T611G	42.96C-2	Jarvis Lake - S. of Winter Creek	0.62	"	"	"
T611L	42.96C-2	S. of Winter Creek - Fred Creek	15.06	"	34	"
T611M	42.96C-2	Fred Creek - Muskeg Cabins		Clearing		"
T611H	50:10	S. of Warden Creek - Luscar	0.36	Subgrade Construction	26	D.O.H. & T.
T611K	50:10	Jct. Hwy. 16 - S. of Warden Creek	15.90	"	"	Contract
		TOTAL ...	34.17	Miles		
		By Contract	33.81	Miles		
		By Department of Highways & Transport	0.36	"		
		TOTAL ...	34.17	Miles		

GRADING - DISTRICT HIGHWAYS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WIDTH IN FEET	WORK DONE BY
T463U	46:07	N. of Myrnam - N. of North Saskatchewan River	-	Subgrade Construction	-	D.O.H. & T.
T464A	46:08	S. of Battle River - S. of Camrose	2.50	"	28	Contract
T784C	50:09	Gunn - N. of Gunn	3.30	"	36	D.O.H. & T.
		TOTAL ...	5.80 Miles			
By Contract						
By Department of Highways & Transport						
		TOTAL ...	5.80 Miles			

GRADING SUMMARY

JOB NO.	HIGHWAY	LOCATION	PRIMARY HIGHWAYS			NORTHERN DEVELOPMENT ROADS		SPECIAL PROJECTS	DISTRICT ROADS	TOTAL
			184.28 Miles	13.75 "	0.64 Miles	20.19 Miles	34.17 Miles			
Subgrade Construction ..			184.28 Miles		0.64 Miles	20.19 Miles	34.17 Miles		5.80 Miles	254.54 Miles
Subgrade Widening			13.75 "							13.75 "
TOTALS ...			198.03 Miles		0.64 Miles	20.19 Miles	34.17 Miles		5.80 Miles	268.29 Miles
By Contract			197.26 Miles		0.13 Miles	17.81 Miles	33.81 Miles		2.50 Miles	260.41 Miles
By Department of Highways & Transport ...			0.77 "		0.51 "	2.38 "	0.36 "		3.30 "	7.88 "
TOTALS ...			198.03 Miles		0.64 Miles	20.19 Miles	34.17 Miles		5.80 Miles	268.29 Miles

FIRST COURSE GRAVEL SURFACING - PRIMARY HIGHWAYS

JOB NO.	HIGHWAY	LOCATION	MILES	WORK DONE BY
T779G	A1-C-2/2	Kananaskis River - Lac des Arcs - Service Roads	0.23	Contract
T781E	2-C-1	S. of Balzac - N. of Airdrie - Service Roads	6.42	"
T777L	2-D-3	S. of Nisku - S. of Ellerslie - Service Roads	6.98	"
T782L	2-G-2	W. of Enilda - E. of High Prairie	5.18	"
"		Service Road	0.07	"
T777Y	3-B-1	Monarch - E. of Coalhurst - Service Roads	4.27	"
T783G	5-A-1	Lethbridge - N. of Wellington - District Road Conn.	0.60	"
"		Service Roads	0.50	"
T783M	14-A	N. of Chauvin - Jct. Hwy. 17	6.44	"
T780P	14-A	Jct. Hwy. 17 - Saskatchewan Bdy.	0.60	"
T779K	15-A-1	Ft. Sask. Revision, Jct. Hwys. 15 & 55 - Service Roads ...	0.66	D.O.H. & T.
T782U	15-A-2	E. of Chipman - Mundare	8.90	Contract
T779N	16-B-2	E. of Elk Island Park Ent. - Chipman Cor. - Service Roads ...	0.86	"
T780H	16-B-2	E. of Clover Bar - W. of Bremner Int. - Service Roads	0.36	"

FIRST COURSE GRAVEL SURFACING - PRIMARY HIGHWAYS (Continued)

JOB NO.	HIGHWAY	LOCATION	MILES	WORK DONE BY
T781B	16-B-2	Clover Bar - E. of Clover Bar - Service Roads	5.20	Contract
T782K	18-A-2	Camp Creek - Athabasca River	4.50	"
T783D	36-A-3	E. of Castor - N. of Garden Plain	19.80	"
T784D	36-E-2	N. of Warner - Jct. Hwy. 4	3.00	"
T781A	41-B-4	S. of New Bridgden - Jct. Hwy. 9	16.34	"
T782Z	45-A-4	E. of Myrnam - Jct. Hwy. 41	7.61	"
T780V	46-B	E. of Atmore - S.E. of Plamondon	8.05	"
T781K	50:11	Jct. Hwy. 1 - Cochrane	6.98	"
"		Connections	1.38	"
TOTAL ...			114.93 Miles	
First Course Gravel Surfacing				By Contract 114.93 Miles
				By Department of Highways & Transport 0.60 "
TOTAL ...				114.93 Miles

FIRST COURSE GRAVEL SURFACING - APPROACH ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	WORK DONE BY
T555M	43:155	Jct. Hwy. 45 - Derwent	0.13	Contract
TOTAL ...			0.13 Miles	(By Contract)

FIRST COURSE GRAVEL SURFACING - PARK ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	WORK DONE BY
T601B	P.R. 104	Jct. Hwy. 46 - Long Lake Prov. Park	9.30	D.O.H. & T. Replacement Gravel
TOTAL ...			9.30 Miles	(By Dept. of Highways & Transport)

FIRST COURSE GRAVEL SURFACING - NORTHERN DEVELOPMENT ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	WORK DONE BY
T995V	N.D. 1	E. of Clear River - W. of Clear River	2.38	D.O.H. & T.
T995C	N.D. 2	W. of Sixth Meridian - E. of Comet Airstrip	9.86	Contract
T995F	N.D. 2	E. of Comet Airstrip - S. of Assumption	3.81	Pit-run Gravel
T995G	N.D. 2	S. of Assumption - Comet Airstrip	5.00	"
		Jct. Hwy. 35 - W. of High Level	29.00	"
TOTAL ...			50.05 Miles	(Replacement)

FIRST COURSE GRAVEL SURFACING - NORTHERN DEVELOPMENT ROADS (Continued)

First Course Gravel Surfacing	2.38 Miles	By Contract	18.67 Miles
Pit-run Gravel Surfacing	18.67 "	By Department of Highways & Transport	31.38 "
Pit-run Replacement Gravel Surfacing	29.00 "		
TOTAL ...	50.05 Miles	TOTAL ...	50.05 Miles

FIRST COURSE GRAVEL SURFACING - SPECIAL PROJECTS

JOB NO.	HIGHWAY	LOCATION	MILES	WORK DONE BY
T611F	42.96C-1	Jct. of Trunk Road - W. of Mason Creek	7.83	Contract
T611G	42.96C-2	Jarvis Lake - S. of Winter Creek	3.32	"
T611L	42.96C-2	S. of Winter Creek - Fred Creek	15.06	"
T611H	50:10	S. of Warden Creek - Luscar	2.82	D.O.H. & T. Pit-run Gravel
T611K	50:10	Jct. Hwy. 16 - S. of Warden Creek	15.90	Contract
		TOTAL ...	44.93 Miles	
		First Course Gravel Surfacing	42.11 Miles	
		Pit-run Gravel Surfacing	2.82 "	
		TOTAL ...	44.93 Miles	

FIRST COURSE GRAVEL SURFACING - DISTRICT HIGHWAYS

JOB NO.	HIGHWAY	LOCATION	MILES	WORK DONE BY
T784C	50:09	Gunn - N. of Gunn	3.30	D.O.H. & T.
		TOTAL ...	3.30 Miles	

GRAVELLING SUMMARY

	PRIMARY HIGHWAYS	APPROACH ROADS	PARK ROADS	NORTHERN DEVELOPMENT ROADS	SPECIAL PROJECTS	DISTRICT ROADS	TOTAL
First Course Graveling ..	114.93 Miles	0.13 Miles	Miles	2.38 Miles	42.11 Miles	3.30 Miles	162.85 Miles
Replacement Graveling ..			9.30 "	18.67 "	2.82 "		9.30 "
Pit-run Graveling				29.00 "			21.49 "
Pit-run Replacement Graveling				50.05 Miles	44.93 Miles		29.00 "
TOTAL S. ...	114.93 Miles	0.13 Miles	9.30 Miles	50.05 Miles	44.93 Miles	3.30 Miles	222.64 Miles
By Contract	114.33 Miles	0.13 Miles	Miles	18.67 Miles	42.11 Miles	Miles	175.24 Miles
By D.O.H. & T.	0.60 "	9.30 "	9.30 "	31.38 "	2.82 "	3.30 "	47.40 "
TOTAL ...	114.93 Miles	0.13 Miles	9.30 Miles	50.05 Miles	44.93 Miles	3.30 Miles	222.64 Miles

STABILIZED BASE COURSE - PRIMARY HIGHWAYS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WORK DONE BY
T779G	A1-C-2/2	Kananaskis River - Lac des Arcs	6.63	Asphalt Stabilized	Contract
"	"	Interchange No. 191 - Loops & Connections	0.54	"	"
"	"	Subdivision Road Thru Interchange	0.36	"	"
"	"	Access to Provincial Campsite	0.12	"	"
"	"	Interchange No. 32 - Loops & Connections	1.74	"	"
"	"	Hwy. 1X Thru Interchange	0.72	"	"
T779F	A1-C-2/2 & 2/3	Lac des Arcs - E. of Bow River	1.72	"	"
"	"	Interchange 192A - Loops & Connections	0.16	"	"
"	"	Frontage Road	0.14	"	"
"	"	Pigeon Mtn. Access Thru Interchange	0.81	"	"
T780X	2A-B-3	S. of Jct. Hwy. 7 - Okotoks	0.96	"	"
T781E	2-C-1	S. of Balzac - N. of Airdrie	5.60	Cement Stabilized (Gravel) & Top Lift Asphalt Bound	"
T777L	2-D-3	S. of Nisku - S. of Ellerslie	7.03	"	"
"	"	Subsidiary Road Connection	0.30	"	"
T782G	2-F-3	E. of Otawau River - Slave Lake	17.94	"	"
T783V	2-G-4	E. of Peace River - Peace River Bridge	0.50	Asphalt Stabilized	"
T777Y	3-B-1	Monarch - E. of Coalhurst	1.00	7" Asphaltic Concrete Base-Pavement	"
T783G	5-A-1	Lethbridge - N. of Welling	9.72	Asphalt Stabilized	"
T782F	12-A	N. of Loyalist - E. of Consort	10.50	Cement Stabilized (Soil) & Top Lift Asphalt Bound	"
T784P	12-D-2	N. of Rimby - S. of Hoadley	1.50	"	"
T778J	13-B-4	W. of Ervick - Camrose	2.59	Asphalt Stabilized	"
T779K	15-A-1	Ft. Saskatchewan Revision Jct. Hwys. 15 & 55	1.39	"	"
"	"	Highway 15	0.55	"	"
"	"	Highway 55	0.24	"	"
"	"	Connections	0.10	"	"
T783X	16-A-1	W. of Kitscoty - Lloydminster (Old Hwy. 16 Conn.)	0.45	"	"
T783K	16-B-1	Thru Town of Vegreville	0.45	"	"
T779N	(40:00E-32)	E. of Elk Island Park Ent. - Chipman Corner 4-lane	1.36	Cement Stabilized (Soil) & Top Lift Asphalt Bound	Agreement
"	"	E. of Elk Island Park Ent. - Chipman Corner 2-lane	1.06	"	Contract
"	"	Int. 165 - Commercial Site W. of Ardrossan -			
"	16-B-2	Frontage Road	0.45	10" Asphaltic Concrete Base-Pavement	"
T780H	16-B-2	E. of Clover Bar - W. of Bremner Interchange	0.76	"	"
"	"	Interchange 164 - Loops & Connections	0.45	"	"
"	"	District Road Thru Interchange	0.21	"	"
"	"	Interchange 163A - S.E. Connection	1.80	Cement Stabilized (Gravel) & Top Lift Asphalt Bound	"
T781B	16-B-2	Clover Bar - E. of Clover Bar	0.34	"	"
"	"	Interchange 163 - Connections	1.42	"	"
"	"	Interchange 162 - Loops & Connections	0.92	"	"
"	"	Hwy. 16A Connections	0.47	"	"
"	"	District Road Thru Interchange	15.34	Cement Stabilized (Soil) & Top Lift Asphalt Bound	" (Sask. Gov't)
T785R	17-B	Lloydminster - Jct. Hwy. 45	0.32	Asphalt Stabilized	"
T784L	18-A-1	Intersection Jct. Hwy. 18 & 43:98 N. of Barrhead	15.88	"	"
T782A	22-A	Priddis Corner - Turner Valley	6.65	"	"
T782B	24-A	Bow River - S. of Jct. Hwy. 1	12.00	Cement Stabilized (Soil) & Top Lift Asphalt Bound	Contract
T782P	35-B-3	S. of Melito Creek - N. of High Level	0.75	"	"
T784Z	36-A-1	N. of Iron Creek - Killam	1.46	Asphalt Stabilized	D.O.H. & T.
T784G	36-C-1	W. of Duchess - Red Deer River	16.61	Soil-Asphalt Stabilized	Contract
T783E	41-C-4	S. of Sandy Point - S. of Hilda	12.00	Cement Stabilized (Soil) & Top Lift Asphalt Bound	D.O.H. & T.
T783H	45-A-1	N. of St. Michael - E. of Andrew	13.00	"	"
T782N	46-B	N. of Boyle - W. of Grassland	12.00	"	"
T783Q	49-B-1	Spirit River - E. of Blueberry Corner	20.00	4" Asphaltic Concrete Base-Pavement	"
T782A	54-A	W. of Spruceview - Clearwater River	20.88	Asphalt Stabilized	D.O.H. & T.
T783F	60-A	Devon - Jct. Hwy. 39	6.68	"	Contract
T777B	"	Intersection Jct. Hwys. 39 & 60	0.27	"	"
T783R	63-B-2	S. of Airport Road - Athabasca River	12.00	"	"
TOTAL ...228.39 Miles					

STABILIZED BASE COURSE - PRIMARY HIGHWAYS (Continued)

By Contract	198.33 Miles	Asphalt Stabilized	92.87 Miles
By Department of Highways & Transport	30.06 "	Cement Stabilized (Gravel)	35.82 "
		Cement Stabilized (Soil)	83.37 "
		Asphaltic Concrete Base-Pavement	14.87 "
		Soil-Asphalt Stabilized	1.46 "
TOTAL ...	228.39 Miles	TOTAL ...	228.39 Miles

STABILIZED BASE COURSE - APPROACH ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WORK DONE BY
T555C	43:48	Jct. Hwy. 14 - Edgerton	6.03	Soil-Asphalt Stabilized	D.O.H. & T.
T552C	43:98	N. of Barrhead - Jct. P.R. 107	0.26	Cement Stabilized (Soil) & Top Lift Asphalt Bound	Contract
T555Q	43:148	Jct. Hwy. 16 - Kitscoty	0.25	Asphalt Stabilized	"
T555J	43:153	Jct. Hwy. 2 - Slave Lake	0.76	Cement Stabilized (Gravel) & Top Lift Asphalt Bound	"
T555N	43:157	Jct. Hwy. 45 - Andrew	0.52	Cement Stabilized (Soil) & Top Lift Asphalt Bound	"
		TOTAL ...	7.82 Miles		
By Contract	1.79 Miles	Asphalt Stabilized	0.25 Miles		
By Department of Highways & Transport	6.03 "	Cement Stabilized (Gravel)	0.76 "		
		Cement Stabilized (Soil)	0.78 "		
		Soil-Asphalt Stabilized	6.03 "		
TOTAL ...	7.82 Miles	TOTAL ...	7.82 Miles		

STABILIZED BASE COURSE - PARK ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WORK DONE BY
T601P	P.R. 103	Brooks - Kinbrook Island Park	0.50	Soil-Asphalt Stabilized	Contract
T601E	P.R. 105	Bowden - Red Lodge Park	8.64	Asphalt Stabilized	"
T601F	P.R. 107	Barrhead - W. of Barrhead	0.56	Cement Stabilized (Soil) & Top Lift Asphalt Bound	"
T601J	P.R. 109	Jct. Hwy. 21 - Miquelon Lake Park	11.72	Soil-Asphalt Stabilized	D.O.H. & T.
		TOTAL ...	21.42 Miles		
By Contract	9.70 Miles	Asphalt Stabilized	8.64 Miles		
By Department of Highways & Transport	11.72 "	Cement Stabilized (Soil)	0.56 "		
		Soil-Asphalt Stabilized	12.22 "		
TOTAL ...	21.42 Miles	TOTAL ...	21.42 Miles		

ASPHALT SURFACING - PRIMARY HIGHWAYS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WORK DONE BY
T780Q	A1-A-3 & B-1	Intersection Improvement Jct. Hwy. 1 & 43:109	0.59	2" Asphaltic Concrete Pavement	Contract
T783U	A1-B-2 & 3/1	E. of Strathmore - E. of Gleichen	17.00	3" " "	"
T783A	A1-C-2/3	E. of Bow River - Banff Park Boundary	6.77	4" " " (on new Base Course)	"
"	"	"	"	1 1/2" " " (on existing W.B. Lanes)	"
"	"	Interchange 96 - Loops & Connections	0.76	4" " "	"
"	"	95 - " "	0.99	4" " "	"
"	"	131 - Connections	0.69	4" " "	"
"	"	Service Roads	2.03	4" " "	"
T784E	1A-C-2	E. of Canmore - W. of Canmore	3.55	4" " "	"
T782D	2-D-3	S. of Nisku - Edmonton	6.20	4" " "	"
"	2-E-1	"	"	2" " (1st Lift on S.B. Lanes)	"
T782C	(old Hwy. 2)	S. of Morinville - N. of Morinville	4.45	3" " "	"
T783P	2-E-1 & 2	S. of Legal - Clyde Corner	20.41	2" " "	"
T783V	2-F-3	Jct. Hwy. 44 - E. of Ottauwau River	17.40	3"-4" " "	"
"	2-G-4	E. of Peace River - Peace River Bridge	1.32	4" " "	"
"	"	Interchange 119 - Loops & Connections	0.89	4" " "	"
"	"	Old Hwy. 2 Thru Interchange	0.23	4" " "	"
"	"	Grouard Trail	0.17	4" " "	"
T783B	3-A-2 & 3	W. of Barnwell - E. of Taber	9.11	4" " "	"
T782M	5-A-1	Hwy. 36 Connection	0.21	4" " "	"
T782W	12-D-2	N. of Welling - S. of Magrath	11.18	4" " "	"
T779K	15-A-2	Rimby - Jct. Hwy. 53	1.75	2" " "	"
"	"	Ft. Saskatchewan Revision Jct. Hwys. 15 & 55	"	" (1st Lift)	D.O.H. & T.
"	"	Highway 15	1.39	3" " "	Contract
"	"	Highway 55	0.55	3" " "	"
"	"	Connections	0.24	3" " "	"
T783X	16-A-1	W. of Kitscoty - Lloydminster	15.12	2" " "	"
T782X	16-B-2	Old Hwy. 16 Connection	0.10	2" " "	"
"	"	W. of Elk Island Park - E. of Elk Island Park	"	"	"
"	"	Entrance	9.52	2" " "	"
T780H	16-B-2	Interchange 165 - Commercial Site - Frontage Road	0.45	2" " "	"
"	"	E. of Clover Bar - W. of Bremner Interchange	1.62	2" " "	"
"	"	Interchange 164 - Loops & Connections	0.76	2" " "	"
"	"	District Road Thru Interchange	0.45	2" " "	"
T781B	16-B-2	Interchange 163A - S.E. Connection	0.21	2" " "	"
"	"	Clover Bar - E. of Clover Bar	1.80	3" " "	"
"	"	Interchange 163 - Connections	0.34	3" " "	"
"	"	162 - Loops & Connections	1.42	3" " "	"
"	"	Highway 16A Connections	0.92	3" " "	"
"	"	District Road Thru Interchange	0.47	3" " "	"
T785R	17-B	Lloydminster - Jct. Hwy. 45	15.34	2" " "	" (Sask. Gov't.)
T780U	19-A-2	Westerose - Jct. Hwy. 12	2.89	2" " "	"
T782Y	21-B-3	New Sarepta - Jct. Hwy. 14	14.28	3"-4" " "	"
T782B	24-A	Bow River - S. of Jct. Hwy. 1	18.87	3" " "	"
T784N	24-A	Jct. Hwy. 23 - Bow River	10.20	2" " "	"
T784X	27-B	Jct. Hwy. 2 - W. of Torrington	3.50	2" " "	"
T784J	28-A-1	N. of Gibbons - N. of Redwater	14.36	3 1/2"-5" " "	"
T782J	28A-B-3	S. of Thierien - Rife	12.34	2 1/2" " "	"
T782H	28-B-3 & C-3	E. of St. Edouard - N. of Jct. Hwy. 41	7.12	4" " "	"
"	"	Hwy. 41 & Connections	1.30	4" " "	"
T783S	35-A-2	N. of Dixonville - S. of North Star	2.67	2" " "	"
T783N	44-A-2	E. of Chisholm - Jct. Hwy. 2	10.91	3" " "	"
T783Z	45-A-1	Jct. Hwy. 15 - N. of Bruderheim	10.25	2" " "	"
T783Y	46-A	E. of Newbrook - N. of Alphen	10.27	4" " "	"
T783Q	49-B-1	Spirit River - E. of Blueberry Corner	12.00	4" " "	"
T782Q	53-B	W. of Jct. Hwy. 2 - 5th Meridian	14.41	3" " "	"
T783W	53-B	5th Meridian - N. of Rimby	10.15	3" " "	D.O.H. & T.
TOTAL			311.92	Miles	

ASPHALT SURFACING - PRIMARY HIGHWAYS (Continued)

By Contract	256.54 Miles
By Department of Highways & Transport	55.38 "
TOTAL ...	311.92 Miles

ASPHALT SURFACING - APPROACH ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WORK DONE BY
T555R	43:52	Jct. Hwy. 1 - Gleichen	1.28	2" Asphaltic Concrete Pavement	Contract
T554A	43:53	Jct. Hwy. 1 - Cluny	1.52	2" " "	"
T554M	43:62	Jct. Hwy. 28 - Redwater	1.07	2" " "	"
T553E	43:78	Jct. Hwy. 2 - Legal	1.76	2" " "	"
T552M	43:79	Jct. Hwy. 2 - Vimy	0.85	2" " "	"
T552C	43:98	N. of Barrhead - Jct. P.R. 107	0.26	2" " "	"
T552K	43:117	Jct. Hwy. 46 - Newbrook	0.49	4" " "	"
T554K	43:140	Jct. Hwy. 28A - Glendon	4.54	2 1/2" " "	"
T555Q	43:148	Jct. Hwy. 16 - Kilscoy	0.64	2"-6" " "	"
		TOTAL ...	12.41 Miles		

ASPHALT SURFACING - PARK ROADS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WORK DONE BY
T601F	P.R. 107	Barrhead - W. of Barrhead	0.56	2" Asphaltic Concrete Pavement	Contract
T601Q	P.R. 118	Jct. Hwy. 12 - Aspen Beach Park	0.20	3" " "	D.O.H. & T.
		TOTAL ...	0.76 Miles		

By Contract	0.56 Miles
By Department of Highways & Transport	0.20 "
TOTAL ...	0.76 Miles

SEAL COAT - PRIMARY HIGHWAYS

JOB NO.	HIGHWAY	LOCATION	MILES	TYPE OF WORK	WORK DONE BY
T782S	A1-C-1/1, 1/2 & 1/3	W. of Bowness - Stony Indian Reserve (4-Lane)	23.11	1/2" Seal Coat	D.O.H. & T.
T781W	12-C-1	E. of Lacombe - Stettler	42.04	1/2" "	"
T781Y	13-A & B-1	Lougheed - Saskatchewan Boundary	74.37	1/2" "	"
T765H	14-C-3	Edmonton - Saltsbury Interchange (4-Lane)	4.49	1/2" "	"
		Interchanges, Loops & Connections (1-Lane)	1.99	1/2" "	"
		Hwy. 14X, 50th St. & Argyle Rd. Thru Int. (4-Lane) ..	1.90	1/2" "	"
		34th Street Thru Interchange (2-Lane)	0.40	1/2" "	"
T781T	16-C-2 & 3	E. of Seba Interchange - Chip Lake	30.90	1/2" "	"
T781X	19-A-2	Westrose - Jct. Hwy. 12	19.88	1/2" "	"
T782T	28-A-1	Edmonton - N. of Hwy. 12	3.22	1/2" "	"
		Edmonton - N. of Hwy. 12	4.30	1/2" "	"
T781U	39-A-2	N. of Thorsby - Alsiike	18.51	1/2" "	"
T781V	57-B	Drayton Valley - Alsiike	27.55	1/2" "	"
TOTAL			252.66	Miles	

STABILIZED BASE COURSE AND ASPHALTIC CONCRETE PAVEMENT SUMMARY**STABILIZED GRAVEL BASE COURSE**

By Contract 73.16 Miles
 By Dept. of H. & T. 28.60 "
 TOTAL ... 101.76 Miles

SOIL-ASPHALTIC STABILIZED

By Contract 0.50 Miles
 By Dept. of H. & T. 19.21 "
 TOTAL ... 19.71 Miles

CEMENT STABILIZED BASE COURSE (Soil)

By Contract 84.71 Miles
 By Dept. of H. & T.
 TOTAL ... 84.71 Miles

ASPHALTIC CONCRETE PAVEMENT

By Contract 269.51 Miles
 By Dept. of H. & T. 55.58 "
 TOTAL ... 325.09 Miles

CEMENT STABILIZED BASE COURSE (Gravel)

By Contract 36.58 Miles
 By Dept. of H. & T.
 TOTAL ... 36.58 Miles

ASPHALTIC SEAL COAT

By Contract Miles
 By Dept. of H. & T. 252.66 "
 TOTAL ... 252.66 Miles

ASPHALTIC BASE-PAVEMENT

By Contract 14.87 Miles
 By Dept. of H. & T.
 TOTAL ... 14.87 Miles

SUMMARY OF MATERIALS

First Course Gravel Surfacing	206,299	Cubic Yards
Subgrade Backfill Material	40,616	" "
Stabilized Base Course Gravel	1,149,718	Tons
Cement Stabilized Base Course (Gravel)	492,649	"
Cement Stabilized Base Course (Sand)	616,884	"
Soil-Asphalt Stabilized Base Course	90,813	"
Asphalt Stabilized Base Course (on Cement Stabilized)	305,928	"
Asphalt Stabilized Base Course (on Soil-Asphalt)	46,177	"
Asphalt Surfacing Gravel	1,339,486	"
Seal Coat (Aggregate $\frac{1}{2}$ " Chips)	41,746	Cubic Yards
Granular Supply for Culverts	34,960	" "
Gravel to Dead Hauls	31,892	" "
Total Asphalt Used	25,475,077	Gallons
Total Cement Used	70,591	Tons

TOTAL GRAVEL AND SAND MATERIAL REMOVED FROM PITS

Gravel to Road	2,263,097	Cubic Yards
Gravel to Stockpile	866,512	" "
Sand to Road	474,626	" "
TOTAL ...	<u>3,604,235</u>	<u>Cubic Yards</u>

PRIMARY HIGHWAYS CONSTRUCTION

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

JOB NUMBER	HIGHWAY	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES & PAVEMENTS	MISCELLANEOUS CONSTRUCTION	HIGHWAY TESTING & RESEARCH	TRAFFIC SAFETY & ROADSIDE DEVELOPMENT	MATERIAL & RENTAL ADVANCE EQUIPMENT & SUPPLIES	CAMP & BOARD COSTS
T780Q	A1-A-3 & B1	Intersection Hwys. 1 & Brooks Access	\$ 32,552.10	\$ 5,575.06	\$ 41.46	\$ 1,828.54	\$ 120.88	\$	\$ 13,837.32	\$ 1,148.84	\$	\$	\$	\$
T784X	A1-B-3/2	Calgary City Limits - Jct. Hwy. 9	129,060.03	49,376.50	46,308.50		33,375.03							
T783U	A1-B-2 & 3/1	East of Strathmore - East of Gleichen	402,026.41	14,676.53			346.18		384,940.46		427.02	1,636.22		
T783T	1A-C-2	Thru Stony Indian Reserve	58,498.09	4,423.13	53,966.76	87.20						21.00		3,381.39
T782S	A1-C-1/1, 2 & 3	West of Bowness - Stony Indian Reserve	111,526.49	3,973.50	50.00					104,121.60				
T784W	A1-C-2/1	East Bdy. Stony Ind. Res. - South of Morley	88,994.88	16,786.69	7,627.88	55,279.06	9,301.25							
T779Z	" " "	" " " " - Kananaskis River	117,825.50	31,090.35	35,203.24	51,531.91								
T784A	" " "	South of Morley - Kananaskis River	710,508.23	58,648.05	69,392.02	423,801.19	79,697.24	78,288.61						
T779G	A1-C-2/2	Kananaskis River - Lac Des Arcs	789,001.05	81,986.82	8,790.61	384,356.52	30,736.34	228,166.16	2,403.52	43,096.96		9,464.12	16,842.15	22.40
T779F	A1-C-2/2 & 2/3	Lac Des Arcs - East of Bow River	196,012.83	36,859.15	21,412.98	6,855.81	78,770.07							
T783A	A1-C-2/3	East of Bow River - Banff Park Boundary	591,586.02	77,629.43	3,740.00	2,295.20		460.33	407,239.00	88,728.74	1,194.75	10,298.57		
T785U	2-B-1	North of Old Man River - North of Jct. Hwy. 3	605.73									249.90		
T780X	2A-B-3	Okotoks Revision	247,745.59	30,075.43	50,785.64	61,294.26	44,411.14	51,636.74		8,183.12		1,359.26		
T784V	2A-C-1	At town of Carstairs (Sidewalks)	9,847.07	626.05						9,221.02				
T777N	2-C-1	South of Airdrie	255,223.73	362.70	252,279.66									
T781E	2-C-1/1	South of Balzac - North of Airdrie	2,488,674.94	170,810.48	98,750.77	1,063,204.52	96,103.28	1,023,400.68	24,155.59	4,790.00	496.71	6,962.91		
T785B	2-C-2	Calgary City Limits - South of Balzac	36,917.18	36,296.18										
T784U	2-D-2	Didsbury Interchange	13,418.02	13,318.02	100.00									
T775R	2-D-3	South of Ellerslie - Edmonton	34,269.68	31,580.04		2,685.25								
T777L	"	South of Nisku - South of Ellerslie	767,311.59	86,076.85	13,036.06	217,394.68	15,082.26	425,492.50	9,675.52	488.72	402.54	168.26		
T784E	"	" " - Edmonton	141,029.57	31,586.99					108,871.78					
T779Y	2-D-1/1	Red Deer - City Limits - Burnt Lake Int.	7,193.01	184.70					7,008.31					
T781N	2-D-1/2	Interchange West of Blackfalds	3,629.42	3,629.42										
T783C	2-D-2/2 (48.107)	Hobbema Int. - South of Bear Hill Lake (Service Roads City of Wetaskiwin)	10,523.23	10,523.23										
T782D	2-E-1	South of Morinville - North of Morinville (Old Hwy.)	66,422.87	2,098.35					64,211.74			112.78		
T783L	2-E-1 (40.00E 257)	Thru town of Morinville	47,800.75	30.00				25,402.13		22,368.62				
T782C	2-E-1 & 2	South of Legal - Clyde Corner	438,065.63	14,790.65	2,990.00		136.21	227.61	394,839.43	24,682.99	398.74			
T785K	2-E-2 & 3	West of Legal - Athabasca	41,618.77	5,830.56					35,788.21					
T785M	2-F-3	Jct. Hwy. 44 - East of Ottauwau River	17,547.48	4,786.78					12,760.70					
T782G	"	East of Ottauwau River - Slave Lake	970,097.44	51,772.46		43,177.91	1,112.49	874,034.58						
T783P	"	Jct. Hwy. 44 - East of Ottauwau River	304,975.12	12,469.51					292,339.04		166.57			
T782L	2-G-2	West of Enilda - East of High Prairie	278,937.10	26,894.17	6,796.24	217,343.85	7,432.44		18,222.80	278.20	248.60	1,720.80		
T776N	2-G-4	East of Peace River - Peace River Bridge	50,388.81	9,942.42	16,007.26	3,620.75	18,260.95		2,557.43					
T783V	"	"	168,506.70	21,834.75		1,871.10	112.00	39,564.72	86,754.03	17,917.27		452.83		
T779Q	2-H-1	Temporary Connection of New Bridge to Old Construction & Industrial Park Road	6,960.14	2,336.31	66.67	4,557.16								
T784H	"	Grimshaw - South of Berwyn	28,631.68	28,631.68										
T784Y	3-A-1	Medicine Hat - Seven Persons	24,582.91	24,582.91										
T785D	3-A-2	East of Fincastle - Grassy Lake	11,086.08	11,086.08					267,743.45	6,546.93	417.72	120.32		
T783B	3-A-2 & 3	West of Barnwell - East of Taber	307,425.37	18,215.47	9,229.76	1,493.25	582.35	3,076.12	42,404.00					
T785N	"	Coaldale - East of Fincastle	47,202.53	4,798.53					6,067.81					
T777Y	3-B-1	Monarch - East of Coalhurst	1,105,515.48	89,356.47	368,947.47	431,974.17	68,324.58	137,327.53				1,176.45	2,341.00	
T784S	3-B-2	Fort Macleod By-pass	22,101.29	22,101.29										
T783G	5-A-1	Lethbridge - North of Welling	723,449.11	56,884.60	11,845.65	209,132.77	33,408.53	409,335.70		953.36		1,888.50		
T775H	"	Lethbridge - Jct. Hwy. 52	18,848.32	7,696.66	9,266.01		1,885.65							
T785J	"	South of Magrath - Cardston	16,648.61	16,648.61										
T782M	5-A-1	North of Welling - South of Magrath	349,078.15	15,396.60			241.11		331,719.41		800.24	920.79		
T780C	11-B	Jct. of Crimson Lake Park Road - East of Horburg	119,008.20	11,003.47	16,560.20	91,444.53								
T785E	"	East of Horburg - Nordegg	170,931.71	25,710.63		145,390.48								169.40 Cr.
T784F	11-C-1	West of Bighorn River - West of Windy Point	134,769.69	61,989.48	7,000.00	45,700.29					10.53	232.25		20,069.39
T782F	11-C-1	North of Loyalist - East of Consort	473,842.09	22,608.95			233.50	435,451.27	15,316.12					
T781W	12-C-1	East of Lacombe - Stettler	148,123.21	7,715.47	131.00				138,852.06					1,424.68
T782W	12-D-2	Rimby - Jct. Hwy. 53	18,796.18	1,388.93					16,951.30					8.25
T784P	"	North of Rimby - South of Hoadley	109,057.04	12,405.14					1,460.96					5.80
T781Y	13-A-1 & 6-1	Lougheed - Saskatchewan Boundary	212,557.35	5,364.23	75.00				200,876.09					4,174.82
T778J	13-B-4	West of Ervick - Camrose	174,737.68	20,343.02		20,437.22	416.64	123,687.51	17,225.32	439.29	77.26			2,067.21
T783M	14-A	North of Chauvin - Jct. Hwy. 17	474,845.33	53,182.68		33,371.21	12,823.44		316.85	63.60				
T780P	"	Jct. Hwy. 17 - Saskatchewan Boundary	27,606.91	1,618.40		2,589.06								
T765H	14-C-3	Edmonton - West Bdy. Salisbury Interchange	122,488.72	26,462.99		72.25			58,395.67			139.07		1,213.08
T784T	"	East of Salisbury Int. - East of Jct. Hwy. 21	127,053.39	635.16	126,188.97	158.42	70.84							
T773I	15-A-1	Edmonton - East of Jct. Hwy. 37	148,456.98	5,264.61				139,708.29	522.24		45.65			1,516.19
T784R	"	"	368,594.71	50,298.39		97,730.21	10,939.96	119,083.05	81,027.98	576.96		138.12		
T779K	"	Intersection at Jct. Hwy. 15 & 55 at Ft. Sask.	271,987.40	42,325.17	20,575.18	150,139.16	21,250.24		37,330.80	307.92	2.55	56.38		
T782U	15-A-2	East of Chipman - Mundare	13,891.49	13,891.49										
T785F	16-A-1	East of Bonradalle - West of Kitscoty	66,119.66	2,010.11	64,109.55									
T783J	"	West of Kitscoty - West of Vermilion	279,050.76	18,377.05	8,270.00	663.31	153.64	3,206.93	246,069.35	1,839.11	471.37			
T782X	"	" " " " - Lloydminster	2,396.29						34,096.95	15,160.74		16.45		
T783K	16-B-1 (40-GOE32)	Thru town of Jereville	80,429.32	38,863.67	40,800.00				190,766.47	24,155.66	765.65			
T781P	16-B-2	Chipman City Limits - Clover Bar	1,282,207.04	88,318.89	148,120.59	401,273.54	24,608.10	402,142.02	34,106.20	11,046.46	207.06	2,438.13	23.10	
T781B	"	East of Clover Bar - West of Bremner Int.	352,669.58	36,757.47	86,697.47	33,597.84	1,425.01	144,191.27				640.80		
T780H	"	East of Bremner Cor. - Elk Island Park Ent.	5,535.50		5,535.50									
T784F	"	Clover Bar - East of Elk Island Park Ent.	59,054.51	3,090.53					55,963.98					
T778N	"	East of Elk Island Park Ent. - Chipman Corner	651,194.49	73,510.11	66,484.20	233,206.45	22,688.89	233,971.27	20,026.30			1,307.27		
T782X	"	West of Elk Island Park - East of Elk Island Park Ent.	399,682.93	20,644.29					378,582.84	121.18	532.67	417.95		616.00 Cr.
T781T	16-C-2 & 3	East of Seba Interchange - Chip Lake	102,870.25	6,844.75	72.00				95,273.75					679.75
T785R	17-B	Lloydminster - Jct. Hwy. 45	409,250.04			2,228.36		340,609.17	66,412.51					

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

Traffic Control & Miscellaneous Construction

PRIMARY HIGHWAYS CONSTRUCTION (Continued)

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

JOB NUMBER	HIGHWAY	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES & PAVEMENTS	MISCELLANEOUS CONSTRUCTION	HIGHWAY TESTING & RESEARCH	TRAFFIC SAFETY & ROADSIDE DEVELOPMENT	MATERIAL & RENTAL ADVANCE EQUIPMENT & SUPPLIES	CAMP & BOARD COSTS
T744X	11	Jct. Hwy. 2 - Banff Park Boundary	\$ 16,528.41	\$ 1,437.43	\$ 404.25	\$ 144.44	\$	\$	\$	\$	\$	\$14,487.63	\$	\$ 54.66
T744Y	12	Saskatchewan Boundary - Alsiike	12,837.26	30.00	6,464.11	430.35						5,875.30	37.50	
T744Z	13	Saskatchewan Boundary - Wetaskiwin	12,743.65	913.77	300.00							11,461.72		68.16
T745A	14	Saskatchewan Boundary - Edmonton	88,309.55	58.12	1,671.83							84,859.68		1,719.92
T745B	15	Edmonton - East of Mundare	6,257.33		199.25	190.21						5,827.87		40.00
T745C	16	Saskatchewan Boundary - Edmonton	154,366.94	7,224.64	4,876.00			2,845.83	131.70			133,184.15		6,104.62
T745D	"	Edmonton - Jasper Park Boundary	11,466.41	1,497.95	836.23	2,151.90		490.45				6,489.88		
T745E	17	Jct. Hwy. 14 - North Saskatchewan River	1,199.15	180.35	90.00	928.80								
T745F	18	Clyde Corner - Swan Hills	11,490.60	731.90	103.50							10,902.79		247.59 Cr.
T745G	19	Wetaskiwin - Winfield	1,951.75									1,951.75		
T745H	20	Bentley - Sylvan Lake	5,228.64	509.61		4,537.91	152.97					28.15		
T745J	21	Jct. Hwy. 9 - Jct. Hwy. 14	2,870.44	239.15				21.29				2,595.00		15.00
T745K	22	Midnapore - Black Diamond	6,791.27	2,328.96					1,811.33			2,650.98		
T745L	23	Monarch - High River	2,273.38			2,273.38								
T745N	25	Lethbridge - West of Enchant	6,153.20		730.00							4,870.51	400.00	152.69
T745P	26	Beiseker - South of Carbon	200.00						200.00					
T745Q	27	Sundre - Jct. Hwy. 21	36,119.57	420.00	677.42					315.13		34,582.75		124.27
T745R	28	Edmonton - Cold Lake	7,339.56	23.50	537.00	1,776.07	2.00	310.40	1,282.75			3,289.73	80.52	37.59
T745U	31	Jct. Hwy. 16 - Seba Beach	251.00			243.00						8.00		
T745V	32	" " - North of Macleod River	67.50											
T745Y	35	Grimshaw - North Provincial Boundary	138,321.65	6,923.21		8,221.09	10,937.22	689.50	110,629.54			921.09		
T745Z	36	St. Brides - Jct. Hwy. 4	46,787.09	1,732.29	19,605.72				492.60		7,801.60	16,819.34		335.54
T746A	37	Jct. Hwy. 15 - North of Gibbons East of Namao Conn.	25,378.71	13,926.87			24.50	10,155.25				1,255.05		17.04
T746B	39	Leduc - Alsiike	1,116.12		10.00							1,106.12		
T746C	40	Jct. Hwy. 2 - Immigrant Gap	1,017.94									1,017.94		
T746D	41	Jct. Hwy. 28 - East of Dunmore	20,715.10	2,708.60			2,674.54					15,457.06		125.10 Cr.
T746F	43	Carvel Corner - Valleyview	3,200.71	1,446.98		490.55	1,263.18							
T746G	44	Westlock - South of Mondo	873.44									873.44		
T746H	45	South of Bruderheim - Saskatchewan Bdy.	9,653.74	759.85	3,748.00		2,010.85					3,135.04		
T746J	46	West of Radway - Lac La Biche	34,021.97	4,193.88	1,600.00							29,737.35		2,490.74
T746K	47	Jct. Hwy. 16 - Foothills	19.37		12.00							7.37		
T746L	48	Jct. Trans-Canada Highway - Wildhorse	80.26					80.26						
T746M	49	Donnelly - British Columbia Boundary	41,255.51	110.51	2.50	332.36	37,343.97					3,466.17		
T746N	50	Tess - Mirror	2,534.95									2,534.95		
T746Q	52	Welling - Craddock	2,652.63	21.89		49.71		25.01	1,733.23			746.44		76.35
T746R	53	North of Bashaw - North of Rimbey	33,811.52	301.73	19,991.93			677.84				12,544.83		295.19
T746S	54	Innisfail - Clearwater River	32,178.27									32,143.02		35.25
T746T	55	Bremner - Fort Saskatchewan	4,157.80									4,102.80		55.00
T746U	56	Stettler - Morrin Corner	545.23									536.23		9.00
T746V	57	Entwistle - Alsiike	1,462.75									1,462.75		
T747C	58	High Level - Wood Buffalo Park	286.91		286.91									
T746X	60	Jct. Hwy. 16 - East of Calmar	4,811.89	167.04								4,477.56		167.29
T746Y	61	Stirling - Manyberries	8,589.46	453.00			215.09					7,546.07		375.30
T746Z	62	International Boundary - Magrath	5,750.71	31.79								5,569.86		149.06
T747B	63	Jct. Hwy. 46 - Ft. McMurray	26,947.84		10,468.99	29.98						16,199.18		249.69
			\$33,130,867.26	\$2,905,674.65	\$2,285,953.75	\$6,610,728.60	\$837,937.67	\$10,458,986.55	\$8,374,560.31	\$316,362.80	\$25,967.67	\$1,170,134.03	\$20,119.86	\$124,441.37

Administration:

T741A		Salaries	\$640,210.95	\$ 640,210.95	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
T741B	File 3083 EQ	Equipment & Supplies	65,522.44	8.22	37.50			220.12			8,647.39	5,107.65	51,501.56	-
T741C	File 3083	Head Office Administration	175,947.97	175,024.66							1.99	26.75	894.57	
T741E	File 3196	Highway Testing Laboratory	11,768.80	934.95							10,761.85	72.00		
T741F	File 3225	Benkelman Beam Testing	118,981.31	38,479.85							80,231.32	270.14		
T741G	File 3229	Special Projects-Soils Div.	72,256.00	44,232.96							27,683.95	339.09		
T741H	File 3077	Gravel Research	134,935.70	48,830.24	200.00				46.63		85,760.63	80.15	18.05	
T741J	File 3083	Engineering Headquarters	308,198.63	307,723.80							474.83			
T741N	" "	Purchase of Gravel & Sand Pits	80,742.31		70,742.31	10,000.00								
T741P	" "	Rental of Stockpile Sites & Haul Roads	5,772.67		1,453.87	300.00							4,018.80	
T741Q	" "	Rental of Railway Spurs	43.00		13.00							30.00		
T741S	File 3083 ST	Wages - Survey School	13,766.31		13,766.31									
T741W	File 3083	Research	69,259.04	69,259.04										
Appropriation 1584			\$34,828,272.40	\$4,230,379.33	\$2,372,166.74	\$6,621,028.60	\$837,937.67	\$10,459,206.67	\$8,374,606.94	\$316,362.80	\$239,529.63	\$1,176,059.81	\$76,552.84	\$124,441.37

Memorandum re: Trans Canada Highway:
Reimbursement from April 1, 1928 - March 31, 1970 = \$23,322,784.33

APPROACH ROADS

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

JOB NUMBER	FILE NO.	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES	TRAFFIC SAFETY & ROADSIDE DEVELOPMENT	CAMP & BOARD COSTS
T555C	43:48	Jct. Hwy. 14 - Edgerton	\$ 226,660.27	\$12,895.04	\$ 258.00	\$	\$	\$198,046.55	\$	\$6,079.25	\$9,381.43
T554R	43:52	" " 1 - Gleichen	22,261.32	437.28					21,824.04		
T554A	43:53	" " 1 - Cluny	16,154.80	533.28					15,621.52		
T554M	43:62	" " 28 - Redwater	14,975.16	779.73					14,195.43		
T553E	43:78	" " 2 - Legal	24,456.63	948.42					23,458.20	50.01	
T552M	43:79	" " 2 - Vimy	7,946.15	748.05					7,148.09	50.01	
T555R	43:91	" " 21 - Ferintosh	4,451.36	4,451.36							
T552C	43:98	" " 18 - Barrhead	19,169.23	4,982.35		1,429.87		7,654.06	5,060.74	42.21	
T552K	43:117	" " 46 - Newbrook	6,878.10	270.21					6,607.89		
T553L	43:125	" " 2 - Kinuso	2,000.00		2,000.00						
T554K	43:140	" " 28A - Glendon	69,059.85	3,563.12	1,046.64				64,253.67	196.42	
T554Z	43:147	" " 17 - Chauvin	3,025.70		3,025.70						
T555Q	43:148	" " 16 - Kitscoty	19,228.58	522.03		1,122.96		6,273.25	11,310.34		
T555J	43:153	" " 2 - Slave Lake	52,373.13	159.14				52,213.99			
T555M	43:155	" " 45 - Derwent	1,735.57			1,133.44	104.19		497.94		
T555K	43:156	" " 28 - Smoky Lake	3,152.35	2,989.33	163.02						
T555N	43:157	" " 45 - Andrew	13,178.48	173.90				13,004.58			
T555L	43:158	" " 28 - Radway	3,802.57	3,639.55	163.02						
T555P	43:159	" " 23 - Nobleford	2,575.88	2,575.88							
T555S	43:160	" " 2 - Tawatinaw	4,969.86	4,969.86							
T555T	43:161	" " 23 - Carmangay	4,360.60	4,360.60							
Appropriation 1541			\$ 522,415.59	\$48,999.13	\$6,656.38	\$3,686.27	\$104.19	\$277,192.43	\$169,977.86	\$6,417.90	\$9,381.43

SPECIAL PROJECTS

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

JOB NUMBER	HIGHWAY	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	SURFACE COURSES	MISCELLANEOUS	TRAFFIC SAFETY & ROADSIDE DEVELOPMENT	CAMP & BOARD COSTS	HIGHWAY TESTING & RESEARCH
T611K	50:10	Jct. Hwy. 16 - South of Warden Creek	\$ 934,228.21	\$ 53,530.65	\$5,438.60	\$ 779,026.41	\$ 49,357.70	\$44,685.44	\$	\$ 2,117.68	\$ 71.73	\$
T611H	"	South of Warden Creek - Luscar	241,210.57	23,898.29		194,707.75	12,136.23	98.56	225.12		9,323.51	821.11
T611C	42:96-C-1	West of Mason Creek - Grande Cache	1,108.82	92.75		861.27			154.80			
T611F	"	Jct. Trunk Road - West of Mason Creek	309,719.71	67,655.90		210,061.11	4,475.53	9,738.86	1,993.38	183.97	15,610.96	
T611P	"	Jct. Trunk Road - Smoky River	10,041.86	395.45		344.97				9,446.64	145.20 Cr.	
T611G	42:96-C-2	Jarvis Lake - South of Winter Creek	113,030.12	18,777.99		84,636.54	671.67	5,395.04	663.36	80.86	2,804.66	
T611J	"	East of 12 Mile Creek - Fred Creek	3,569.27	3,424.37		144.90						
T611L	"	South of Winter Creek - Fred Creek	969,502.19	43,105.36		859,494.28	45,306.22	20,026.49		721.39	397.45	451.00
T611M	"	Fred Creek - Muskeg Cabins	200,056.45	42,735.32		149,103.62					8,217.51	
T611N	"	Jct. Hwy. 16 - Muskeg Cabins	8,432.45	462.96						8,135.88	166.39 Cr.	
T611Q	PR 119	Jct. Hwy. 63 - Gregoire Lake	36,486.76	2,629.33		33,857.43						
*Appropriation 1544 (1513 Part)			\$2,827,386.41	\$256,708.37	\$5,438.60	\$2,312,238.28	\$111,947.35	\$79,944.39	\$3,036.66	\$20,686.42	\$36,114.23	\$1,272.11

*Refer to Summary - Page 40

ROADS TO PROVINCIAL PARKS
EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

JOB NUMBER	PROJECT	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	BASES	SURFACE COURSES	TRAFFIC SAFETY & ROADSIDE DEVELOPMENTS	CAMP & BOARD COSTS
T601K	P.R. 101	Jct. Hwy. 25 - Park Lake	\$ 381.67	\$ 46.40	\$	\$	\$	\$	\$ 335.27	\$	\$
T601P	" 103	Brooks - Kinbrook Island	204,415.15	43,463.46	30,510.23	89,100.64	14,316.15	25,710.84	215.00	1,098.83	
T601B	" 104	Jct. Hwy. 46 - Long Lake	8,797.94		3,574.00				5,223.94		
T601E	" 105	" " 2 - Red Lodge	283,479.82	21,637.46	2,900.00	1,298.68	1,490.37	255,862.82		290.49	
T601F	" 107	Barrhead - Thunder Lake	48,296.47	7,681.55	20.26	9,181.69		17,430.46	11,417.44	2,562.57	2.50
T601J	" 109	Jct. Hwy. 21 - Miquelon Lake	528,524.38	27,929.78	508.56	213.60		489,342.41	188.25	1,985.08	8,356.70
T601R	" 113	" " 34 - Williamson Park	19,408.87	7,507.28	2,955.61	8,945.98					
T601M	" 117	" " 2 - Saskatoon Island Park	1,683.63		1,683.63						
T601Q	" 118	" " 12 - Aspen Beach	2,501.54	99.45					2,402.09		
Appropriation 1543			\$1,097,489.47	\$108,365.38	\$42,152.29	\$108,740.59	\$15,806.52	\$788,346.53	\$19,731.99	\$5,936.97	\$8,359.20

NORTHERN DEVELOPMENT
EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

JOB NUMBER	HIGHWAY	LOCATION	TOTAL	ENGINEERING	RIGHT-OF-WAY	GRADING	DRAINAGE & INSTALLATION	SURFACE COURSES	MISC. ONLY CONSTRUCTION	HIGHWAY TESTING & RESEARCH	TRAFFIC SAFETY & ROADSIDE DEVELOPMENTS	CAMP & BOARD COSTS
T995V	N.D. 1	East of Clear River - West of Clear River	\$ 568,353.90	\$ 27,408.74	\$10,590.61	\$ 499,088.52	\$10,783.96	\$	\$2,385.69	\$		\$18,096.38
T995C	" 2	West of 6th Meridian - East of Comet Air Strip	214,494.66	39,802.28		146,340.79	3,733.63	22,883.45	1,418.76	315.75		
T995F	" 2	South of Assumption - Comet Air Strip	464,850.33	45,457.15		353,415.37	44,466.87	20,720.99	789.95			
T995G	" 2	Jct. Hwy. 35 - West of High Level	9,586.57	1,026.85				8,559.72				
T995E	" 2	High Level - Rainbow Lake	2,914.15	586.59								
T995J	" 2	" " " "	173,138.88	13,960.46		105.25		158,748.37		324.80	2,327.56	
T995H	" 2	Jct. N.D. 2 - Chinchaga River #3 Pit	26,536.08	4,039.47		22,477.21	19.40					
T995A	N.D. 3	Jct. Hwy. 16 - Athabasca River	48.75	48.75								
*Appropriation 1591 (Part)			\$1,459,923.32	\$132,330.29	\$10,590.61	\$1,021,427.14	\$59,003.86	\$210,912.53	\$4,594.40	\$640.55	\$2,327.56	\$18,096.38

*Refer to Summary - Page 41

SPECIAL PROJECTS

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

HIGHWAYS CONSTRUCTION:

JOB NO.	HIGHWAY	LOCATION	JOB TOTAL	PROJECT TOTAL
T611K	50.10	Jct. Hwy. 16 - South of Warden Creek	\$934,228.21	\$
T611H	"	South of Warden Creek - Luscar	241,210.57	1,175,438.78
T611C	42.96-C-1	West of Mason Creek - Grande Cache	1,108.82	
T611F	"	Jct. Trunk Road - West of Mason Creek	309,719.71	
T611P	"	Jct. Trunk Road - Smoky River	10,041.86	320,870.39
T611G	42.96-C-2	Jarvis Lake - South of Winter Creek	113,030.12	
T611J	"	East of 12 Mile Creek - Fred Creek	3,569.27	
T611L	"	Winter Creek - Fred Creek	969,502.19	
T611M	"	Fred Creek - Muskeg Cabins	200,056.45	
T611N	"	Jct. Hwy. 16 - Muskeg Cabins	8,432.45	1,294,590.48
T611Q	P.R. 119	Jct. Hwy. 63 - Gregoire Lake	36,486.76	36,486.76
				<u>\$2,827,386.41</u>

BRIDGE STRUCTURES:

JOB NO.	DISTRICT	I. D.	FILE NO.	JOB TOTAL	I. D. TOTAL	
T620L	8	14	76797	\$3,371.00	\$	
T620M	"	"	76783	5,141.50	8,512.50	
T620P	11	16	76529	9,663.51		
T620E	"	"	76530	1,163.02		
T620D	"	"	76531	1,209.29		
T620N	"	"	76905	4,209.87		
T620Q	"	"	76906	6,223.26	22,468.95	\$ 30,981.45
						<u>\$2,858,367.86</u>

SUMMARY

Highways Construction ... \$2,827,386.41
 Bridge Structures 30,981.45
 *Appropriation 1544 \$2,858,367.86

*(1513 Part) Refer to Page 14

NORTHERN DEVELOPMENT

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

HIGHWAYS CONSTRUCTION:

Project ND 1	East of Clear River - West of Clear River	\$568,353.90	
" ND 2	West of 6th Meridian - East of Comet Air Strip	214,494.66	
" "	South of Assumption - East of Comet Air Strip	464,850.33	
" "	Jct. Hwy. 35 - West of High Level	9,586.57	
" "	High Level - Rainbow Lake	176,053.03	
" "	Jct. N.D. 2 - Chinchaga River #3 Pit	26,536.08	
" ND 3	Jct. Hwy. 16 - Athabasca River	48.75	\$1,459,923.32

BRIDGE STRUCTURES:

I.D. 21	\$ 55,846.01	
I.D. 23	28,222.93	84,068.94
		<u>\$1,543,992.26</u>

*Appropriation 1591

SUMMARY

Construction Branch	\$1,459,923.32
Bridge Branch	84,068.94
	<u>\$1,543,992.26</u>

*Funds made available by
The Northern Alberta Development Council.

GRANTS TO TOWNS AND VILLAGES FOR IMPROVEMENT OF STREETS AND ROADS

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

Acme	\$ 12,756.00	Kitscoty	\$ 12,852.00
Andrew	7,858.50	Linden	5,779.16
Athabasca	28,632.00	Lomond	4,843.92
Beaverlodge	22,020.00	Longview	11,352.00
Berwyn	13,822.27	Marwayne	13,764.00
Bow Island	2,923.07	Milo	10,656.00
Breton	15,264.00	Morrin	12,792.00
Calmar	7,298.22	Nakamun Park	3,000.00
Cardston	42,612.00	Nampa	12,516.00
Carmangay	12,516.00	New Serepta	11,136.00
Caroline	1,786.04	Nobleford	13,200.00
Cayley	8,074.96	Okotoks	21,516.00
Cnampion	13,656.00	Picture Butte	21,792.00
Chinook	9,993.94	Pincher Creek	10,584.07
Coronation	20,508.00	Poplar Bay	3,000.00
Cremona	11,664.00	Provost	12,698.40
Crystal Springs	2,240.38	Radway	10,490.39
Czar	11,426.00	Rockyford	12,300.00
Delia	12,576.00	Rosalind	8,776.36
Delburne	14,532.00	Sandy Beach	1,648.57
Devon	26,076.00	Sangudo	12,736.61
Didsbury	12,750.12	Sexsmith	15,372.60
Donalda	2,242.38	Slave Lake	30,522.60
Edson	56,316.00	Standard	12,324.00
Elk Point	17,964.00	St. Albert	4,278.16
Falher	16,874.84	Stony Plain	26,760.00
Fort Macleod	40,560.00	Strathmore	21,300.00
Gadsby	10,175.46	Sylvan Lake	4,027.35
Gibbons	11,796.00	Thorhild	13,860.00
Granum	12,660.00	Thorsby	16,632.00
Grimshaw	17,836.34	Three Hills	16,527.53
Hanna	13,094.00	Torrington	11,160.00
Hardisty	11,567.48	Trochu	18,060.00
Hay Lakes	11,460.00	Turner Valley	16,920.00
Heisler	11,520.00	Valleyview	33,624.00
Hythe	3,714.39	Vulcan	28,452.00
Island Lake	1,935.20	Warner	819.77
Irricana	11,004.00	Warspite	825.31
Itaska Beach	3,024.00	Yellowstone	504.00
		Appropriation 1519	\$1,064,137.11

WEIGH SCALES

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

JOB NO.	FILE NO.	LOCATION	AMOUNT
D120Z	3235	General - Mobile Equipment	\$ 36,236.97
D119C	3235-1	Balzac	84,284.11
D119E	" -1A	Crossfield	17,654.13
D119D	" -17	Leduc	149,541.15
D119B	" -18	Ardrossan	134,614.76
D119N	" -19	West Devon Corner	3,267.00
D119G	" -21	Brooks	906.97
D119H	" -22	Castor	227.75
D119J	" -23	Rycroft	2,582.55
D119K	" -24	Atmore	397.58
D119L	" -25	High Level	1,218.15
D119P	" -27	West Clyde Corner	1,177.99
D119Q	" -28	North Elk Point	1,078.13
			Appropriation 1592
			\$433,107.61

PLANNING BRANCH

M. J. DOLINSKY

CHIEF PLANNING ENGINEER

The main activities of the Planning Branch continue to be the collection and interpretation of travel and transportation data, physical and geographical data and the use of this information in planning and locating road facilities to serve the present and future needs and development objectives of the Province.

The highly developing fringe areas around the large cities has placed particular emphasis on the planning of long range road networks for the protection of travel corridors to meet future traffic demands and land use planning. A great deal of progress was accomplished around the City of Edmonton with the Edmonton Area Study well underway as well as embarking on the Calgary Area Study in the latter part of the fiscal year. These studies entail close liason with Local Governmental Agencies and Regional Planning Commissions.

Functional planning continued with the completion of 27.9 miles of comprehensive plans of freeway design and near completion of 90 miles of access control plans between Red Deer and Calgary.

Location Studies were carried out on various Primary, Secondary and Development roads. A special in-depth study was made of road needs of North Central Alberta. Another special study reviewed Public Access to the Bow, Jumping Pound, Sheep and Highwood Rivers.

The Photogrammetric Services Section operated on a two shift basis and supplied contours for an area of about 240,000 acres for use in Location Studies. Mapping control crews used a geodimeter and a Tellurometer for Electronic Distance Measuring and made greater use of Helicopters in control work.

The Air Photo Services section continued to supply air photo library service. Some 1,866 miles of new aerial photos were obtained under contract and 10,824 Department of Lands and Forests photos were used in various studies. Steadily increased acceptance and use of aerial mosaic plans has been noted throughout the year.

The programme of identification and correction of "accident prone locations" were continued in an effort to maintain a high level of operational efficiency and safety. An extensive study of the operating characteristics of triple trailer combinations was undertaken. An analysis was made of the effect of these longer vehicles on multilane highway operation, and their ability to perform safely. Speed studies and in-depth accident analysis programmes were also continued.

The traffic counting programme and the many special traffic studies keep track of changing traffic patterns and provide data for specific location or design problems. Inter-provincial and International travel received specific attention in the form of an origin-destination study conducted at all primary highway crossings of our provincial boundary. Study work at the Saskatchewan boundary was shared by the Department of Highways and Transportation of that Province.

Urban Assistance Grants towards the transportation needs of the Province's ten cities continued to be administered by the Planning Branch during the past year. This involved the appraisal and approval of projects and the preparation of cost sharing agreements in respect to functional planning, design engineering and construction of freeways, expressways and major arterial streets.

The final draft of the Alberta Urban Highway Design Guide was completed in the latter part of the fiscal year. The manual was a joint undertaking by the Cities of Edmonton and Calgary and the Province of Alberta to provide uniform standards for the functional and detailed design of Highway facilities.

Work continued toward developing new computer programmes with major emphasis on expansion and modification of existing processing systems. Progress was made in the area of transportation studies with the completion of six programmes. Work was begun and design finalized on a Plan Inventory System and a Land Inventory System for use in the Surveys Branch.

SUMMARY

1. TRAFFIC STUDIES-

Origin-Destination Surveys	23
Classification and Turning Movement Counts	638
Speed Studies	280
Other Special Studies	17

2. TRAFFIC VOLUME COUNTING PROGRAMMES-

Permanent Counting Stations	56
Temporary Counting Stations	70

3. AIR PHOTO SERVICES-

Line Mile of New Aerial Photograph ...	1,866
Miles of Photo Interpretation	920
Photos Obtained from Lands and Forests	10,824

4. PHOTOGRAMMETRIC MAPPING SERVICES-

240,000 Acres (375 Sq. Miles) of Routes were contoured and mapped

5. LOCATION STUDIES-

A. Continued Study on Projects	4
B. New Location Projects (Field Survey)	9
C. New Location Projects (Office Study)	35
D. Route and Reconnaissance Surveys and Control Projects Undertaken or in Progress	47

6. FUNCTIONAL PLANNING AND DESIGN-

A. Minor Interchanges:	
Design Completed	14
Under Study	19
B. Major Interchanges:	
Designs Completed	3
Under Study	4
C. Project Reports:	
Completed	3 - 65.2 Miles
Under Study	10 - 97.0 "
D. Access Control Studies:	
Completed	58.5 Miles
Under Study	146.0 "

7. DEVELOPMENT APPLICATIONS PROCESSED-

Subdivisions	268
Development	263
Utilities	2,059

8. COMPUTER SERVICES-

Programmes in Use:	
Traffic Studies	20
Accident Analysis	4
Photogrammetry	5
Survey and Design	7
Statistics	2
Miscellaneous	9
Programmes Under Development	15

9. DRAFTING SERVICES-

Mosaic Mapping	580.0 Miles
Access Control Study Maps	158.0 "

PLANNING BRANCH**EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970**

Administration - Head Office	\$ 59,624.46
General Office Services	44,487.50
Computer Systems	35,389.02
Drafting Services	80,102.18
Functional Planning	53,969.27
Traffic Planning	73,333.62
Traffic Safety	29,213.39
Permit Administration	15,595.74
Reconnaissance, Location and Control Surveys	252,369.60
Photogrammetry Mapping Services	62,152.52
Photogrammetry Airphoto Services	52,518.40
Traffic Counting - Manual and Portable	53,474.81
Permanent Traffic Counters	12,849.25
Speed Studies	4,271.83
Origin - Destination Surveys	6,076.43
Pedestrian and Special Counts	4,902.92
Appropriation 1585	\$840,330.94

GRANTS TO MUNICIPALITIES FOR STRUCTURES AND ROADS**EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970****CALGARY**

URBAN DESIGN GUIDE	\$	\$ 1,750.00
CROWCHILD TRAIL:		
50th Avenue South - Charleswood Drive		29,083.64
TRANS-CANADA HIGHWAY:		
85th Street West - 68th Street East		26,998.23
MACLEOD TRAIL:		
82nd Avenue Southeast - 98th Avenue Southeast		9,399.76
BLACKFOOT TRAIL:		
80th Avenue North - 98th Avenue South	20,629.03	
Detour at Glenmore Trail	6,120.00	26,749.03
JOHN LAURIE BOULEVARD:		
Brisebois Drive - 37th Street Northwest		81,206.44
SHAGANAPPI TRAIL:		
Relocate Telephone Ductlines		17,971.00
BOW TRAIL:		
Crowchild Trail - 14th Street Southwest		19,527.30
GLENMORE TRAIL:		
Blackfoot Trail - 19th Street Southeast	1,787,119.54	
Canal Bridge and Collector Distribution System	2,050.00	
Glenmore Trail - Macleod Trail Interchange	31,381.66	1,820,551.20
MEMORIAL DRIVE:		
45th Street West - 52nd Street East	14,608.48	
11th Street Southeast - Barlow Trail	530,341.33	544,949.81
14TH STREET SOUTHWEST:		
82nd Avenue Southwest - 105th Avenue Southwest		290,411.93
85TH STREET NORTHWEST:		
Keith Bridge - C.P.R. Overpass		12,300.00
TOTAL		\$2,880,898.34

EDMONTON

URBAN HIGHWAY DESIGN GUIDE		1,750.00
JASPER FREEWAY:		
153rd Street - Groat Bridge	51,656.31	
145th Street - 129th Street	55,711.15	
James MacDonald Bridge	730,198.00	837,565.46
SOUTH FREEWAY:		
11th Street: 45th Avenue - 61st Avenue	99,096.21	
Jasper Freeway - South City Limits	13,658.91	112,755.12
11TH AVENUE:		
153rd Street - 156th Street	54,485.10	
Mayfield Road	10,278.43	64,763.53

EDMONTON (Continued)

CALGARY TRAIL - 105TH STREET HIGHWAY CORRIDOR:		
South Approach	\$ 2,117.11	\$
105th Street Bridge	59,312.59	
Relocate Telephone and Power Ductlines	120,000.00	181,429.70
137TH AVENUE:		
74th Street - 97th Street		142,515.34
50TH STREET:		
90th Avenue - New Highway #14		1,595.57
122ND STREET AND FOX DRIVE:		
Fox Drive	2,598.57	
122nd Street: 52nd Avenue - 62nd Avenue	21,922.05	24,520.62
66TH STREET:		
137th Avenue - 149th Avenue		46,793.29
WHITEMUD FREEWAY:		
159th Street - Fox Drive	363,469.15	
Highway #16 - 156th Street	175.19	
103rd Street - 111th Street	22,793.11	
53rd Avenue - 62nd Avenue	25,296.58	411,734.03
CAPILANO EXPRESSWAY:		
101st Avenue - 112th Avenue		2,251,586.28
149TH STREET:		
125th Avenue - 128th Avenue	35,125.94	
111th Avenue - 342 feet North	2,077.69	37,203.63
ARGYLL ROAD:		
99th Street - 103rd Street	178,853.93	
75th Street - 76 Avenue North	22,000.00	200,853.93
NORTH EAST FREEWAY:		
106th A Avenue - 153rd Avenue		4,279.04
SOUTH EAST FREEWAY:		
97th Avenue - South City Limits		10,767.27
NORTH WEST FREEWAY:		
106th Avenue - 137th Avenue		12,505.45
DOWNTOWN FREEWAY LOOP:		
97th Street - 106th A Avenue		13,228.14
111th Street - Jasper Freeway		
SASKATCHEWAN DRIVE:		
107th Street - 109th Street		19,006.79
125TH AVENUE BY-PASS:		
East City Limits - 36th Street		11,709.26
WEST HIGHWAY CORRIDOR:		
135th and 156th Streets - Range 26		9,085.59
TOTAL		\$4,395,648.04

GRANDE PRAIRIE

100TH STREET:		
116th Avenue Intersection	42,655.05	
101st Avenue - 114th Avenue	1,580.90	44,235.95
100TH AVENUE:		
102nd Street - 105th Street		
106th Street - 108th Street	6,261.34	
108th Street - Highway 2	155,222.10	
92nd Street - 106th Street	3,479.19	164,962.63
TOTAL		\$ 209,198.58

LETHBRIDGE

SOUTH WEST BY-PASS:		
6th Avenue South - 9th Avenue South		2,541.07
MAYOR MAGRATH DRIVE:		
7th Avenue South - 24th Avenue South		1,815.98
TOTAL		\$ 4,357.05

RED DEER

49TH AVENUE:		
37th Street - 45th Street		21,551.41
50TH (GAETZ) AVENUE:		
60th Street Underpass	21,887.20	
60th Street - 67th Street	12,548.75	
67th Street - 71st Street	12,684.05	
30th Street - 37th Street	44,330.77	91,450.77

RED DEER (Continued)

55TH STREET AND 40TH AVENUE:	
42nd A Avenue - 40th Avenue	
52nd Street - 55th Street	\$ 2,333.97
67TH STREET:	
Highway 2A - 64th Avenue	13,406.73
32ND STREET:	
Gaetz (50th) Avenue - 56th Avenue	<u>5,929.25</u>
TOTAL	\$ 134,672.13

WETASKIWIN

40TH AVENUE:	
Railroad Crossing Protection Signal	2,104.86
47TH STREET:	
52nd Avenue - 57th Avenue	<u>32,298.18</u>
TOTAL	\$ 34,403.04

GENERAL

URBAN HIGHWAY DESIGN GUIDE MANUAL	<u>4,357.86</u>
TOTAL	\$ 4,357.86
Appropriation 1551	<u><u>\$7,663,535.04</u></u>

BRIDGE BRANCH

E. J. SANDEN

CHIEF BRIDGE ENGINEER

Bridge construction and maintenance work continued in the same manner as in previous years but with some reduction in expenditures for structures on main highways and a corresponding increase for structures on local roads. Construction proceeded on a total of 182 bridges and 284 large culverts in lieu of bridges. In addition, repairs were carried out on 341 structures. Of the 182 bridges, 43 were in the major or semi-major category and 139 were of the standard type with precast concrete decks on timber substructures. Twenty-five of the larger bridges were on district roads and 18 were on main highways. The highway bridges included 12 grade separations for the improvement of safety on existing highways by elimination of at grade intersections and on new freeways. Two separations were on district roads.

The larger bridges were built by the award of contracts pursuant to public tender. Department day-labour bridge crews were employed to continue the bridge maintenance programme, for the construction of standard type bridges and for the reconstruction and improvement of crossings utilizing existing steel trusses. Several of the semi-major bridges were also constructed by Department bridge crews by reason of scheduling and where access to remote locations made contract projects impractical.

Progress continued in the programme to increase the clearances of older steel bridges on district roads by the replacement of low portals and wind bracing, and that programme is all but concluded. A programme of re-evaluation of older steel trusses was begun and those trusses considered inadequate for the traffic offering are being upgraded or replaced.

The programme for construction of approach roads in conjunction with major bridge construction included completion of the approaches to the Athabasca River Bridge at Entrance, continuation of the approach roads to the North Saskatchewan River Bridge at the Myrnam Ferry and commencement of the approaches to the Battle River Bridge south of Camrose and the Red Deer River Bridge at Steeveville. Surveys were carried out for bridge approach roads at Whitemud River north of Peace River Town and clearing of the right-of-way was largely completed.

CONSTRUCTION OF MAJOR BRIDGES:

1. NORTH SASKATCHEWAN RIVER BRIDGE NORTH OF MYRNAM, FILE 74236. This bridge will replace the Myrnam and Hopkins ferries. Construction started in 1968 and completion of the bridge is scheduled for October 1970.
2. RED DEER RIVER BRIDGE AT STEVEVILLE, FILE 9487, to replace the Steeveville ferry, serves Secondary Road #876. Bridge construction started in late fall 1969. It utilizes three piers of an old uncompleted railroad bridge. Completion of the bridge is scheduled for October 1970.
3. OLDMAN RIVER BRIDGE, HIGHWAY 2 NEAR FORT MACLEOD. This new bridge is to replace the existing steel bridge which has become inadequate for traffic. It is being built near the old bridge on an alignment that will fit into a four-lane divided scheme. Most of the substructure was built during the winter by Department crews. The superstructure is scheduled for completion in October of 1970.

CONSTRUCTION OF SEMI-MAJOR BRIDGES ON MAIN HIGHWAYS:

(a) RIVER BRIDGES ON MAIN HIGHWAYS:

FILE NO.	HWY. NO.	PROJECT	BRIDGE TYPE
**74354	1	Kananaskis River	Prestressed concrete girder
*71706	2	Nose Creek North	Arch S.P.C.M.P.
*71705	2	Nose Creek South	" " "
** 1145	2A	Sheep River Okotoks	Prestressed concrete girder
**72640	47	McLeod River	" " "

(b) GRADE SEPARATIONS ON MAIN HIGHWAYS:

FILE NO.	HWY. NO.	PROJECT	BRIDGE TYPE
*74566	1	Lac Des Arcs Grade Separation	Prestressed concrete girder
*75498	1	Seebe Grade Separation	" " "
**76660	1	Kananaskis Road Grade Separation	" " "
**76659	1	Ozada Grade Separation	" " "
*74602	1	Community Road Grade Separation	" " "
*74600	1	Cheneka Grade Separation	" " "
*76850	2	Balzac Grade Separation	" " "
*76849	2	Airdrie South Grade Separation	Three hinged arch
*76848	2	Airdrie Grade Separation	Prestressed concrete girder
*76648	16	Cloverbar #6 Grade Separation	Steel box girder
*76649	16	Cloverbar #7 Grade Separation	Steel frame
*76339	16	Cloverbar #8 Grade Separation	Prestressed concrete girder

CONSTRUCTION OF GRADE SEPARATIONS ON DISTRICT ROADS:

FILE NO.	HWY. NO.	PROJECT	BRIDGE TYPE
**76886	956	Over C.N.R. - Meeting Creek	Conc. spans on pipe piles
**76976	-	Under C.N.R. - South of Camrose	Revising existing crossing

CONSTRUCTION OF SEMI-MAJOR BRIDGES ON DISTRICT ROADS:

FILE NO.	HWY. NO.	PROJECT	BRIDGE TYPE
* 7743	876	Gladstone Creek	Steel Truss
** 2143B	559	Elbow River	Prestressed precast concrete on pipe piles
* 9333	764	Pembina River Cherhill	Prestressed precast concrete on pipe piles
* 8584	576	Michichi Creek Drumheller	Prestressed precast concrete on pipe piles
**13486	837	Kneehill Creek - Orkney Road	Prestressed precast concrete
* 1496	-	Little Red Deer River @ Netook	Steel Truss
* 851	-	Little Red Deer River @ Elkton	Prestressed precast concrete
** 437	-	Medicine River @ Evarts	" " "
** 149	822	Battle River @ Hobbema	" " "
** 1079	-	Battle River South of Camrose	Steel Truss
**76927	-	Gregg River @ Luscar	Prestressed precast concrete
* 876	635	Sturgeon River @ Namao	" " "
** 9596	755	Paddle River - Mayerthorpe	" " "
**76558	940	Wild Hay River North of Entrance	" " "
** 7931	881	Beaver River North of St. Lina	" " "
**72631	662	Sand River East of Truman	" " "
**76987	725	Hamelin Creek - Blueberry	S.P.C.M.P.

* Completed in 1969-70

** Started in 1969-70

CONSTRUCTION OF STANDARD-TYPE BRIDGE STRUCTURES :

TYPE	MAIN HIGHWAYS	DISTRICT ROADS
Standard Bridges	2	137
Salvage Steel Bridges	0	4
Culverts (Steel)	28	238
Culverts (Concrete)	2	0
Stock Underpasses	12	4
	<hr/> 44	<hr/> 383

BRIDGE REPAIRS:

TYPE	MAIN HIGHWAYS	DISTRICT ROADS
Major Bridges.....	72	147
Standard Bridges	25	63
Culverts	19	5
Bridges Painted	2	18
	<hr/> 118	<hr/> 233

CONSTRUCTION OF BRIDGES

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

I. D., M. D., COUNTY	TOTAL	I. D., M. D., COUNTY	TOTAL
Administration	\$ 57,329.23	M.D. 135	\$ 1,217.30
Testing & Research	10,977.57	County 2	424.18
Equipment	33,947.39	" 3	95.00
I.D. 2	40.16	" 10	98,853.45
M.D. 6	329.70	" 11	73,725.21
I.D. 7	93,505.81	" 12	68,139.23
" 8	716,131.29	" 13	8,027.21
M.D. 9	25,615.55	" 17	139,313.97
I.D. 10	3,224.95	" 18	17,592.25
" 14	541,671.39	" 19	544,845.43
" 16	110,380.13	" 20	569,341.97
" 17	41,267.47	" 21	12,217.57
" 18	45,155.61	" 22	115,821.85
" 20	215,893.12	" 23	34,944.18
M.D. 26	62,230.40	" 26	23,957.14
" 31	183,233.94	" 28	55,200.92
" 44	1,139,059.59	" 30	27,379.48
" 61	80,161.79	" 31	565.85
" 90	94,025.95	S.A. 2	\$181,209.72
" 133	31,424.63	" 3	20,089.35
			201,299.07
		Indian Reserves - Dist. 4	50,996.77
		Appropriation 1583	\$5,529,563.70

MAINTENANCE AND REPLACEMENT OF BRIDGES

EXPENDITURE FOR THE YEAR ENDED MARCH 31, 1970

I. D., M. D., COUNTY	TOTAL	I. D., M. D., COUNTY	TOTAL
Salaries	\$ 606,422.37	I.D. 1	\$ 27,131.16
Administration	87,282.51	" 2	2,863.57
Testing & Research	4,634.50	" 5	2,308.96
Equipment	17,435.92	" 6	40,851.07
Bridge Curbs - Oil Treat.	6,012.01	M.D. 6	40,687.90
County 1	84,327.14	I.D. 7	50,760.50
" 2	27,878.31	" 8	9,998.93
" 3	32,211.81	M.D. 9	41,186.11
" 4	35,257.85	I.D. 10	20,085.01
" 5	23,030.11	" 14	107,124.60
" 6	24,548.26	M.D. 14	17,684.76
" 7	10,408.22	I.D. 15	13,458.63
" 8	54,733.42	" 16	26,915.83
" 9	31,894.82	" 17	61,308.83
" 10	98,092.09	" 18	51,111.49
" 11	34,538.54	" 19	38,226.85
" 12	25,606.85	" 20	49,546.41
" 13	28,373.36	" 21	963.61
" 14	19,118.43	" 22	8,491.05
" 16	42,842.90	" 23	8,116.78
" 17	82,907.45	M.D. 26	67,393.49
" 18	32,571.05	" 31	105,578.36
" 19	82,528.18	" 44	54,314.91
" 20	11,989.42	" 47	4,531.72
" 21	35,325.97	" 48	52,704.49
" 22	135,224.89	" 52	2,224.87
" 23	65,324.64	" 61	13,766.20
" 24	32,428.84	" 87	9,307.34
" 25	90,586.04	" 90	34,083.77
" 26	46,111.37	" 92	40,562.30
" 27	34,103.82	" 130	38,501.16
" 28	66,147.50	" 133	13,839.60
" 29	11,752.59	" 135	8,119.58
" 30	42,569.88	" 136	5,629.62
" 31	2,742.41	S.A. 2	55,503.10
		" 3	54,979.08

Appropriations 1530, 1531, 1532, 1533 ... \$3,246,825.11

SUMMARY

Appropriation 1530	\$ 606,422.37
" 1531	279,694.94
" 1532	2,114,499.39
" 1533	246,208.41
	<u>\$3,246,825.11</u>

SURVEYS AND PROPERTY BRANCH

C. W. YOUNGS

DIRECTOR OF SURVEYS

SURVEYS & MAPPING DIVISION

RESOURCE CONTROL SURVEYS - The final stage of the control surveys in the area north of latitude 59° and west of 118° was completed by tying 16 cadastral points to the trilateration net previously established. Ties were made to the Alberta-British Columbia boundary, the Alberta-Northwest Territories boundary and the 30th, 31st and 32nd base lines.

CITY CONTROL SURVEYS - The control survey programme was continued in the various cities with a total of 941 new monuments being established. As in the past, reconnaissance and monumentation were done by the municipalities and the surveying and computing were carried out by Surveys Branch. The distribution of monuments was as follows: Edmonton - 380, Calgary - 462, Red Deer - 6, Medicine Hat - 1, Lethbridge - 92.

ROAD SURVEYS - A total of 286 surveys was completed for the department representing 680 miles of road and 34 sites.

A control survey was carried out in conjunction with the legal survey of the David Thompson Highway in which 50 control monuments were established and tied to the existing survey control in the Foothills Control network.

28 new control monuments were established in the Fort Macleod area in connection with highway work.

MISCELLANEOUS SURVEYS - A total of 16 surveys was done for other departments in accordance with the Alberta Surveys Act. 8 inspection surveys were done to determine the validity of plans submitted for examination. Corrections were made as required in accordance with the findings of the inspections.

The survey of the addition to the Stony Indian Reserve (Part of the Rocky Mountains Forest Reserve) was completed and amounted to 30 miles of line surveyed and monumented.

PLAN EXAMINATION - Plans of surveys performed in accordance with the Alberta Surveys Act were examined for compliance with the Act and regulations. The following is a list of plans examined, approved and submitted to the Land Titles Offices for registration:

Department of Highways and Transport plans	335
Municipal District plans	219
Right-of-way plans	1,019
Re-establishment of corners plans	120
Townsite subdivision plans	900
Well location plans	88
TOTAL ...	<u>2,681</u>

MAPPING

CADASTRAL - 2 new township plans were produced and 199 old township and settlement plans were restored and reprinted. 32 new or revised 1:1,000 cadastral city maps were produced and from these 64 base maps were derived.

GENERAL - A variety of special purpose maps were made for other departments as provided in the Alberta Surveys Act. Included in this work was the 1970 road map and maps of the proposed provincial electoral districts.

Modifications to the 1:250,000 National Topographic System maps was continued with 18 new or revised maps being completed.

The recording and evaluation of nomenclature of the Alberta Board on Geographic Names was continued.

PROPERTY DIVISION

TITLES - No site titles were received for custody as these are now being held by the Department of Public Works.

Department of Highways and Transport titles received ..	83
Expropriation for the University of Alberta	9
Notifications transferring title to abandoned roads ...	1,710
Letters of abandonment of roads	440
Municipal road closing By-Laws received for approval ..	141

COMPENSATION - Vouchers covering payment of compensation for areas required for right-of-way:

	APP'NS.	NO. OF VOUCHERS	AMOUNT
Main Highways	1584	355	\$1,547,675.88
Maintenance	1512, 1513, 1517	330	48,544.02
Stock Advance	5001	44	930,566.31
Bridges	1583, 1533	6	19,037.00
Approach roads	1541	2	5,025.70
Surveys	1581	3	190.00
		<u>740</u>	<u>\$2,551,038.91</u>

LEASES - Resulting from changes in legislation and policy, leases of road allowances within municipalities are now handled directly by the municipality and those within Improvement Districts by this Branch. Appropriate transfers of records have been made leaving the branch with a total of 635 lease files for unused roadways falling within the jurisdiction of the Minister of Highways and Transport under the administration of this branch. 42 leases of sites were in effect.

The following is a summary of the operations of the branch described above:

Surveys requested and brought forward from 1968	766
Surveys requested during 1969	183
Surveys performed or cancelled during 1969	352
Surveys carried forward to 1970	597
Department of Highways and Transport plans examined and approved	335
Municipal District plans examined and approved	219
Right-of-way plans examined and approved	1,019
Re-establishment of corners plans examined and approved	120
Townsite Subdivision plans examined and approved	900
Well location plans examined and approved	88
Maps and drawings produced	459
Township and Settlement plans printed, restored and reprinted	201
Municipal road closing by-laws received	141
Transfers issued covering land no longer required	2,150
Vouchers for payment of land acquired	740
Leases for road allowances in force	635
Leases for sites in force	42
Film reproduction work done in square feet	65,000

EQUIPMENT BRANCH

L. G. BUSSARD

SHOP AND EQUIPMENT DIRECTOR

This Branch is responsible for the management, maintenance and repair of all trucks and equipment owned by the department and used in the construction and maintenance of the roads and bridges of the Provincial Highways system. The branch, as well, repairs considerable amounts of equipment for other departments of the Government. The manufacture of highway signs is another function of this branch.

In addition to the above, the Equipment Branch administers the Stock Advance Fund which is used for the purchase of land, machinery and stock and materials which are required by the department.

The functions of the Equipment Branch were carried out from twenty repair shop locations throughout the Province, an addition of one from the previous year with mechanical staff being transferred to Hanna.

New repair shop facilities are presently being constructed at High Level, Slave Lake and Vermilion to augment or update present facilities.

STOCK ADVANCE BALANCE SHEET

AS OF MARCH 31 - 1970

ASSETS

Accounts Receivable	\$ 1,287,601.67
Material and Supplies on hand at Cost	4,050,019.55
Land Holdings at Cost less recoveries from Sales and Rentals	1,697,420.17
Prepaid Expenses	65,783.53
Equipment at Cost less Depreciation	4,757,585.93
	<u>\$11,858,410.85</u>

LIABILITIES

Accounts Payable	\$ 977,228.94
Provincial Treasurers Advance	10,349,575.39
Surplus:	
Surplus as at April 1 - 1969	\$ 211,187.68
Deduct Adjustment Applicable to previous year	1,866.34
	<u>\$ 209,321.34</u>
Net Profit for Year Ending March 31 - 1970	322,285.18
	<u>531,606.52</u>
	<u>\$11,858,410.85</u>

STOCK ADVANCE FUND STATEMENT OF OPERATIONS

OPERATION OF EQUIPMENT

Rental income from other Branches	\$5,697,308.26	
Profit on Equipment Disposal	93,497.81	\$ 5,790,806.07
Maintenance of Equipment	\$4,042,661.86	
Depreciation of Equipment	1,341,109.25	5,383,771.11
PROFIT:		\$ 407,034.96

MATERIAL SALES & SHOP OPERATIONS

Sale of Materials to other Branches	\$8,459,700.62	
Cost of Materials and Labour	8,529,990.74	
LOSS ON MATERIAL SALES		\$ 70,290.12

LAND TRANSACTIONS FOR RIGHT-OF-WAY

Sales and Rentals	\$ 107,745.19	
Less reduction of Land Value by Sales and Rentals	107,745.19	
		\$ 336,744.84

DEDUCT GENERAL EXPENSES

14,459.66

NET PROFIT FOR YEAR ENDED MARCH 31-1970

\$ 322,285.18

MOTOR VEHICLE BRANCH

C. J. KENWAY

REGISTRAR

MOTOR VEHICLE REGISTRATION DIVISION

During the fiscal year ended March 31st, 1970, a total of 825,027 vehicles were registered. This indicates an increase of 43,505 over registration for the previous year. The main area of increase again appears in passenger car registrations which are 21,550 over last year resulting in registration of more than one-half million passenger cars. Public Service and Commercial vehicles are up 8,866 while trailers have increased by 10,807.

Transfer registrations during the year totalled 131,005, change of address transactions on vehicle registrations were 93,914, and there were 20,348 licence plate exchanges from one category to another.

1969/70 REGISTRATIONS WERE AS FOLLOWS:

Passenger Cars	503,925
Motorcycles	16,370
Dealers	3,084
Registration Trailers	85,970
Public Service and Commercial Vehicles	215,678
	<u>825,027</u>

PUBLIC SERVICE VEHICLES:

P.S. Freight Vehicles	6,968
E. Freight Vehicles	4,618
U. Freight Vehicles - Cities, Towns, Villages and Five Mile Radius ..	6,868
L. Liveries and Taxi Cabs	1,361
D.U. Drive-Yourself	3,549
Bus Franchised Buses	1,041
S.B. School Buses	3,744
	<u>28,149</u>

COMMERCIAL VEHICLES:

C.V. Business Firms (Transporting own Goods)	23,921
X. Miscellaneous and for Commercial Operations in Cities, Towns, Villages and Five Mile Radius	55,537
F. Farm Operations	99,375
G. Federal, Provincial and Municipal Governments	8,452
	<u>187,285</u>

TRAILERS:

P.T. Public Service and Commercial Pole Trailers	244	244
		<u>215,678</u>

SAFETY DIVISION

SAFETY MEETINGS:

Schools Visited	53
Public Meetings	43
Driver Improvement Courses	2

HIGH SCHOOL DRIVER EDUCATION:

Schools Conducting Courses	29
Students Graduating	1,008
Classes Conducted by 29 Schools	49
Driver Education Graduation Ceremonies Attended	10
Attendance at High School Driver Education Instructors Course	23

MOTOR VEHICLE INSPECTION:

6 Units Stationed in 6 Centres:

1. Red Deer	- Tested	10,813 vehicles
2. Grande Prairie	- Tested	12,605 vehicles
3. Lethbridge	- Tested	20,005 vehicles
4. Medicine Hat	- Tested	10,227 vehicles
5. Calgary	- Tested	148,553 vehicles
6. Edmonton	- Tested	176,411 vehicles

TOTAL VEHICLES TESTED 378,614

ANNUAL STATISTICS - OPERATORS DIVISION

CALENDAR YEAR 1969

CENTRAL REGISTRY SECTION:

	1967	1968	1969
Registration of Encumbrances	136,554	148,936	154,986
Notices of Seizure	2,863	2,682	2,920
Searches	66,545	70,849	74,730

DRIVER EXAMINATION SECTION:

	1967	1968	1969
Annual Road Tests	110,358	111,467	112,550
Number of Applicants Processed	210,826	204,605	216,620

Restricted licences were issued as follows:

Adequate Glasses	29,597
Stipulated Area	365

The programme commenced in 1968 for the training and testing of Treaty Indians and Metis was continued throughout 1969 and 364 applicants were processed through this programme. In an effort to offer better service to the Indians, the Department has secured the services of a Treaty Indian who is undergoing a course of training in driver examinations. This will permit our Branch to give driver examinations in the Cree language wherever required.

FINANCIAL RESPONSIBILITY SECTION - CONVICTION RECORD

	1968		1969	
	HTA	CCC	HTA	CCC
EDMONTON	46,704	1,796	50,520	1,632
CALGARY	35,948	1,284	34,327	1,568
LETHBRIDGE	5,418	226	5,548	240
MEDICINE HAT	2,128	41	1,672	56
ALL OTHERS	62,938	1,902	62,839	2,736
TOTAL ..	153,136	5,249	154,906	6,232

OPERATORS LICENCING SECTION:**NUMBER OF LICENCES ISSUED AS OF DECEMBER 31st., 1969**

During the period January 1, 1969 to December 31, 1969, 68,400 new licences were issued. The following are active licences as at December 31, 1969:

AGE	MALE	FEMALE	A	B	C	D	L	TOTAL
14 - 15	3,762	953				610	4,105	4,715
16 - 19	44,918	23,670	224	850	2,408	38,953	26,153	68,588
20 - 24	76,934	51,260	3,207	11,555	6,549	90,431	16,452	128,194
25 - 34	130,546	90,123	6,639	38,339	13,068	149,951	12,672	220,669
35 - 44	109,889	68,882	5,102	36,163	17,434	113,893	6,179	178,771
45 - 54	83,904	50,449	3,340	20,676	22,416	83,830	4,091	134,353
55 - 64	57,230	26,281	1,484	10,053	19,274	50,637	2,063	83,511
65 - Over	36,753	8,510	224	2,626	10,398	31,084	931	45,263
TOTAL	543,936	320,128	20,220	120,262	91,547	559,389	72,646	864,064

DRIVER REVIEW COMMITTEE:

During 1969, the Driver Review Committee held 159 meetings to discuss 2,338 files; a total of 1,253 licences were suspended following review and 108 persons were issued with restricted occupational licences following the withdrawal of the regular licence.

Abstracts of driving record made available during the year amounted to 120,482.

THE HIGHWAY TRAFFIC BOARD

This Board is constituted under the Public Service Vehicles Act and has as its prime function the implementation of this Act. By delegation of Federal authority, it also administers the Motor Vehicle Transport Act (Statutes of Canada).

The Board is a body corporate and at the present time consists of the following personnel:

C. J. Kenway	Chairman
O. A. Griggs	Secretary-Member
J. Pritchard	Member
G. S. Syska	Member
L. Bussard	Member
R. Griffith	Non-Voting Member

The following report covers the Board's activities for the period April 1, 1969 to March 31, 1970. During this period the Board held 50 regular meetings and eight special meetings. In addition the Board held three public hearings in connection with applications for extra-provincial operating authority.

EXTRA - PROVINCIAL CARRIERS:

In its exercise of administrative powers under the Motor Vehicle Transport Act (Statutes of Canada) the Board considered a large number of applications for extra-provincial operating authority either on a renewal basis or on the basis of new applications. Of these, 747 applications were approved and operating authority certificates were granted in accordance with the following distribution:

CANADIAN CARRIERS (EXCLUDING ALBERTA):

Operating Authority Certificates Renewed	296
New Applications Processed	35
Transportation of Household Goods	170
" " General Merchandise	13
" " Petroleum Products	14
" " Livestock	30
" " Oilfield & Construction Equipment	12
" " Specified Commodities	92
	<hr/>
TOTAL ...	331
	<hr/>

UNITED STATES CARRIERS:

Operating Authority Certificates Renewed	90
New Applications Processed	17
Transportation of Household Goods	10
" " General Merchandise	7
" " Fruit & Vegetable Produce	39
" " Livestock	6
" " Oilfield & Construction Equipment	8
" " Specified Commodities	37
	<hr/>
TOTAL ...	107
	<hr/>

ALBERTA CARRIERS:

Operating Authority Certificates Renewed	259
New Applications Processed	50
Transportation of Household Goods	34
" " General Merchandise	40
" " Petroleum Products	20
" " Livestock	16
" " Oilfield & Construction Equipment	43
" " Lumber & Building Supplies	17
" " Farm Machinery	8
" " Specified Commodities	131
	<hr/>
TOTAL ...	309
	<hr/>

In conjunction with the foregoing the Board placed 44 certificates for advertisement, granted a total of 229 requests for various amendments to certificates previously issued, with 58 certificates being transferred to other carriers. It also granted 12 reinstatements while cancelling 76 other certificates and declining 59 requests for authorities or various amendments.

The Board renewed 139 applications for Alberta Resident Plates, processed 21 new applications and issued 1,001 Resident Plates.

The identification plates herein referred to as "Alberta Resident Plates" are a special issue used as a means of readily identifying operators resident in Alberta for reciprocal agreement purposes.

RECIPROCITY:

The Province of Alberta has negotiated and maintains reciprocal arrangements as to the registration and operation of motor vehicles on international and interprovincial basis. As a consequence of this, the Board administers matters pertaining to any such arrangements in relation to public service and commercial vehicles.

At the time of this report the Province of Alberta enjoys full reciprocity with some 33 states of the United States of America plus partial reciprocities with three other states.

Full reciprocity arrangements are held with the following states:

ALASKA	LOUISIANA	OHIO
ARKANSAS	MASSACHUSETTS	OREGON
CALIFORNIA	MINNESOTA	OKLAHOMA
CONNECTICUT	MISSOURI	PENNSYLVANIA
DELAWARE	MONTANA	RHODE ISLAND
DISTRICT OF COLUMBIA	NEBRASKA	SOUTH DAKOTA
FLORIDA	NEW HAMPSHIRE	TEXAS
ILLINOIS	NEW JERSEY	WEST VIRGINIA
IOWA	NEW YORK	WYOMING
INDIANA	KENTUCKY	WISCONSIN
KANSAS	NORTH CAROLINA	WASHINGTON

Partial or limited reciprocity is in effect with:

IDAHO	NORTH DAKOTA	UTAH
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In her relations with other Canadian Provinces, Alberta has reciprocal arrangements of one type or another with eight Provinces and the Northwest Territories. The Provinces participating in reciprocal arrangements are as follows:

MANITOBA	- Canadian Model Agreement signed
NEW BRUNSWICK	- Full reciprocity
NEWFOUNDLAND	- Full reciprocity
NORTHWEST TERRITORIES	- Partial fee
NOVA SCOTIA	- Full reciprocity on household goods
ONTARIO	- Canadian Model Agreement
PRINCE EDWARD ISLAND	- Full reciprocity
QUEBEC	- Full reciprocity on household goods and natural products of the farm or forest only, no other
SASKATCHEWAN	- Canadian Model Agreement signed

In conjunction with the foregoing, the following permits were issued for the year ending March 31, 1970:

(a) Single Trip Operating Authority Permits	2,945
(b) Temporary Single Trip Reciprocity Permits	4,186
(c) Annual Reciprocity Permits	6,533
(d) Special Permits for Foreign Buses	111

During the course of the year, the Board issued a number of overload and overdimensional permits in accordance with the following schedule:

PERMITS EDMONTON BRANCH:

Overload Permits	14,036
Building Permits	1,539
Miscellaneous Permits	5,552

PERMITS CALGARY BRANCH:

Overload Permits	5,091
Building Permits	443
Miscellaneous Permits	2,275

PERMITS OTHER BRANCHES:

Overload Permits	377
Building Permits	683
Miscellaneous Permits	3,228

The Board also issued 492 special permits to school bus operators transporting children and groups to various functions in the Province.

In connection with overload permits, the following revenue was received:

Edmonton Branch	\$505,648.00
Calgary Branch	134,520.00
Other Branches	6,447.00
TOTAL ...	<u>\$646,615.00</u>

In conjunction with overload permits, the Board maintained 259 overload permit accounts with 1,214 companies or individuals filing insurance policies as a prerequisite to the issuance of overload and overdimensional permits.

During the year, the Board implemented a winter programme whereby blanket overload permits were issued to Logging Companies at a fee of \$480.00 per unit and a limited number at \$120.00 per unit. Some 48 permits were issued with a total revenue of \$20,160.00 realized.

The Board also issued, during the course of the year, 25 Board Orders and 34 Road Ban Orders. With respect to the Road Ban Orders, the Board advertised each over some 22 radio stations as a convenience to the public, at a total cost of \$37,001.46.

INTRA - PROVINCIAL CARRIERS:

CHARTER BUSES:

During 1969 the Board authorized charter bus operations and granted certificates in accordance with the type of services provided--Class A, B or C. Following is a list of those Public Service Charter Bus Certificates issued:

Big Smoky Services Ltd., Hinton, Alberta	Class C
Branch Lines Ltd., Cadomin, Alberta	Class C
J. Braun, Fort Macleod, Alberta	Class C
Brewster Transport Company Ltd., Banff, Alberta	Class B and C
Canadian Coachways (Alberta) Ltd., Calgary, Alberta	Class A and B
Cardinal Coach Lines Ltd., Calgary, Alberta	Class B and C
City of Calgary, Calgary, Alberta	Class B
City of Edmonton, Edmonton, Alberta	Class B
City of Lethbridge, Lethbridge, Alberta	Class C
Diversified Transportation Ltd., Fort McMurray, Alberta	Class B
Ed Elkin, Penhold, Alberta	Class C
Frizzell Building Movers Ltd., Bentley, Alberta	Class C
J. O. Gaithier, Fort McMurray, Alberta	Class C
Greyhound Lines of Canada Ltd., Calgary, Alberta	Class A and B
Mike Harasym o/a Mike's Bus Lines, Drumheller, Alberta	Class B and C
Norman Hill o/a Northwest Coach Lines, Hay River, Northwest Territories	Class B
A. Kotyshyn, Two Hills, Alberta	Class C
Lakeland Bus Service Ltd., St. Paul, Alberta	Class C
Peter Ludwig, Drumheller, Alberta	Class C
R. G. Mayberry, Hanna, Alberta	Class B
Medicine Hat Transportation Ltd., Medicine Hat, Alberta	Class A and B
Tony Merkle o/a Taber Bus Lines, Taber, Alberta	Class B
Wilbert Muhlbeir, Brooks, Alberta	Class C
Northern Bus Lines Ltd., Lethbridge, Alberta	Class A and B
Prairie Bus Lines Ltd., Red Deer, Alberta	Class C
Redcliff Bus Lines Ltd., Redcliff, Alberta	Class B and C
Swan Bus Service Ltd., Grande Prairie, Alberta	Class B and C
Eric Thomas, Didsbury, Alberta	Class B
United Imperial Cabs Ltd., Calgary, Alberta	Class B
Western Bus Lines Ltd., Edmonton, Alberta	Class C
Western School Bus Ltd., Edmonton, Alberta	Class C
Yellow Cab Ltd., Edmonton, Alberta	Class B

PUBLIC BUSES:**(a) New Bus Route Certificates Granted as of March 31, 1970:**

	FROM	TO
Big Smoky Services Ltd.	Hinton	Grande Cache
Jake F. Braun	Fort Macleod	Lethbridge
Camrose Investments Ltd.	51 Ave. & 50 St. in Camrose	65 St. & 44B Ave. in Camrose
Cardinal Coach Lines Ltd.	Calgary	Turner Valley
International Utilities Corp.	Edmonton	Silver Summit Ski Area
" " " "	"	St. Albert
Diversified Transportation Ltd.	"	Gulf Refinery (Hwy. 14 & 14X)
" " " "	"	Gulf Oil Refinery (Hwy. 16 & 14X)
" " " "	Calgary	Cochrane Gas Plant
" " " "	Edmonton	Gulf Gas Plant (Hwy. 16 & 16A)
" " " "	Calgary	Jumping Pound Shell Plant
" " " "	"	Quirk Creek Gas Plant
Lakeland Bus Services Ltd.	St. Paul	Saddle Lake
Merlin Bus Lines Ltd.	Edmonton	Redwater Fertilizer Plant
" " " "	Fort Saskatchewan	" " "
" " " "	Redwater	Fertilizer Plant
" " " "	Edmonton	Sundance Power Project

(b) Discontinued Services as of March 31, 1970:

R. Hetherington
Red Line Tours Ltd.
Tony Merkle o/a Taber Bus Lines

(c) Transfer of Bus Route Certificates as of March 31, 1970:

International Utilities Corp. to Canadian Coachways (Alberta) Ltd. 35 Certificates
Lethbridge Northern Bus Lines Ltd. to Northern Bus Lines Ltd. 6 Certificates

(d) Bus Route Certificates in Effect as of March 31, 1970:

NAME OF BUS OPERATOR:	FROM	TO
Big Smoky Services Ltd.	Hinton	Grande Cache
Branch Lines Ltd.	Edson	Cadomin
Jake F. Braun	Fort Macleod	Lethbridge
Walter Berkley	Olds	Sundre
Brewster Transport Company	Jasper	Mount Robson
" " " "	Alberta	British Columbia Border
Camrose Investments Ltd.	Sightseeing within Calgary	
Calgary Gray Lines	Point to point within Calgary	transporting wheelchair patients
Calgary Cerebral Palsy Assoc.	Calgary	Happy Valley Recreation
Cardinal Coach Lines Ltd.	Rimbey	B. A. Gas Plant
" " " "	Pincher Creek	Drywood Gas Plant
" " " "	Sightseeing Route	
" " " "	Stettler	Nevis Gas Plant
" " " "	Calgary	Turner Valley
" " " "	Pincher Creek	Waterton Gas Plant
" " " "	Calgary	Airdrie Gas Plant
Canadian Coachways (Alberta) Ltd. .	Edmonton	Lac La Biche
" " " " ..	"	Fort McMurray
" " " " ..	Valleyview	Peace River via McLennan
" " " " ..	Alberta Beach	Beach Corner
" " " " ..	Edmonton	Lodgepole
" " " " ..	"	Northwest Territories Border
" " " " ..	"	Baytree (B.C. Border)
" " " " ..	"	Grande Prairie via Dunvegan
" " " " ..	"	Demmitt (B.C. Border)
" " " " ..	"	Whitcourt
" " " " ..	"	Athabasca
" " " " ..	"	Rimbey via Breton
" " " " ..	Fairview	Hines Creek
" " " " ..	Edmonton	High Prairie
" " " " ..	Alta./B.C. Border	Jasper
" " " " ..	Sightseeing Tours of Edmonton	
" " " " ..	Edmonton	Alberta Game Farm
" " " " ..	"	Barrhead
" " " " ..	"	Swan Hills
" " " " ..	"	Drumheller via Stettler
" " " " ..	Stettler	Calgary
" " " " ..	Consort	Red Deer
" " " " ..	Rocky Mountain House	" "

NAME OF BUS OPERATOR:	FROM	TO
Canadian Coachways (Alberta) Ltd. .	Edmonton	Elk Point
" " " " " "	"	Saskatchewan Border
" " " " " "	"	Hardisty
" " " " " "	"	Cold Lake
" " " " " "	"	Marwayne
" " " " " "	"	Cold Lake
" " " " " "	"	Chauvin
" " " " " "	High Level	Fort Vermilion
" " " " " "	Edmonton	Alliance
" " " " " "	"	Silver Summitt
" " " " " "	"	St. Albert
Diversified Transportation Ltd. . . .	Waterways	G.C.O.S. Plant at Tar Island
" " " " " "	Fort McMurray	" " " "
" " " " " "	Edmonton	Gulf Oil Refinery
" " " " " "	"	" " " "
" " " " " "	Calgary	Cochrane Gas Plant
" " " " " "	Fort McMurray Airport	Fort McMurray
" " " " " "	Edmonton	Gulf Refinery
" " " " " "	Calgary	Jumping Pound Shell Plant
" " " " " "	"	Quirk Creek Plant
Dicken Bus Lines	Coleman	Crowsnest
" " " " " "	Bellevue	"
Edmonton Transit System	Edmonton City Limits	Chemcell Plant
" " " " " "	Edmonton	Clover Bar Generating Plant
Ed Elkin	Red Deer	Ski Hill
Glacier Park Transport Co.	Chief Mountain	Waterton Lake Townsite
Greyhound Lines Ltd. of Canada . . .	Calgary	Oyen
" " " " " "	"	Waterton Lakes Park Gates
" " " " " "	"	Walsh
" " " " " "	"	Banff Park Gates
" " " " " "	Edmonton	Jasper Park Gates
" " " " " "	Calgary	Waterton Park Gates (No. 2 & 5)
" " " " " "	"	Banff Park Gates
" " " " " "	"	Lethbridge
" " " " " "	Fort Macleod	Walsh
" " " " " "	Calgary	Medicine Hat
" " " " " "	"	Crowsnest via Pincher Creek
" " " " " "	"	Crowsnest
" " " " " "	"	Lethbridge
" " " " " "	"	Coutts
" " " " " "	Edmonton	Calgary (2 & 2A)
" " " " " "	"	Calgary (2)
" " " " " "	"	Hinton via Seba Beach
" " " " " "	"	Lloydminster
" " " " " "	"	Lloydminster via Mundare
" " " " " "	Fort Macleod	Taber
" " " " " "	Edmonton	Vegreville
" " " " " "	Medicine Hat	Fort Macleod
" " " " " "	Fort Macleod	Coutts
" " " " " "	" " "	Lethbridge
" " " " " "	"	Calgary
" " " " " "	Calgary	Alsask
" " " " " "	"	Taber
" " " " " "	"	Crowsnest
William J. Harrison	City of Calgary	Baker Memorial Sanatorium
" " " " " "	Calgary	Spy Hill Gaol
A. Kotyshyn	Two Hills	Duvernay
Lakeland Bus Services Ltd.	St. Paul	Saddle Lake
Mike's Bus Lines (Mike Harasym) . .	Drumheller	Federal Penitentiary
" " " " " "	"	Riverview Park
" " " " " "	"	Nacmine
" " " " " "	"	Midland
" " " " " "	"	East Coulee
" " " " " "	"	Dinosaur Trail
Northern Bus Lines	Lethbridge	Picture Butte
" " " " " "	"	Waterton Park Gates via Cardston
" " " " " "	Fort Macleod	Carway
" " " " " "	Hillcrest	Coleman Vicary Creek Mine
" " " " " "	Lethbridge	Turin
" " " " " "	"	Sightseeing Tours of City
Merlin Bus Lines Ltd.	Edmonton	Redwater Fertilizer Plant
" " " " " "	Fort Saskathcewan	" " " "
" " " " " "	Redwater	" " " "
" " " " " "	Edmonton	Sundance Power Project
Prairie Bus Lines Ltd.	Red Deer	Penhold Airport
Redcliff Bus Lines	Redcliff	Medicine Hat
R. A. Theroux	Point to point within Fort Saska	tchewan
United Imperial Cabs. Ltd.	City of Calgary	McCall Airport
Western Bus Lines Ltd.	Edmonton	Nisku Airport
" " " " " "	"	St. Albert
" " " " " "	"	Namao Airbase
" " " " " "	"	East Edmonton Industrial Area
" " " " " "	"	Sherwood Park
Windfall Employees Co-operative		
Assoc. . .	Whitecourt	Windfall
Yellow Cab	Edmonton	Nisku Airport

ACTUAL MILES TRAVELLED:

PAVED HIGHWAYS	GRAVEL OR DIRT HIGHWAYS	TOTAL
9,820,523	988,789	10,889,312

PASSENGER MILES TRAVELLED:

PAVED HIGHWAYS	GRAVEL OR DIRT HIGHWAYS	TOTAL
371,541,975	32,496,736	404,038,711

During the year, approximately 2,645,791 passengers were carried.

